ELECTRIC

PERRY

General catalogue **2020**

Società italiana per la costruzione di apparecchi elettrici

DIVISIONS

PERRY ELECTRIC
Components of electrical installations

PERRY EMERGENCY
Emergency lighting

PDA ENERGY
Energy efficiency and heat metering

Since 1969

More than 50 years of experience in manufacturing:

TEMPERATURE CONTROL

WIRELESS TEMPERATURE CONTROL 4
WI-FI TEMPERATURE CONTROL 10
WALL MOUNTED PROGRAMMABLE THERMOSTATS 12
WALL MOUNTED THERMOSTATS 13
CONTROL BOXES 17
DIN RAIL MOUNTED THERMOSTATS 18
MECHANICAL CONTACT THERMOSTATS 20

MOTION AND PRESENCE DETECTORS

WALL MOUNTED 21
CEILING MOUNTED AND RECESS MOUNTED IN FALSE CEILINGS 22
LED LIGHTS WITH AND WITHOUT MOTION DETECTORS 23

DIMMERS

FOR FLUSH MOUNTING 23

CONTROL EQUIPMENT

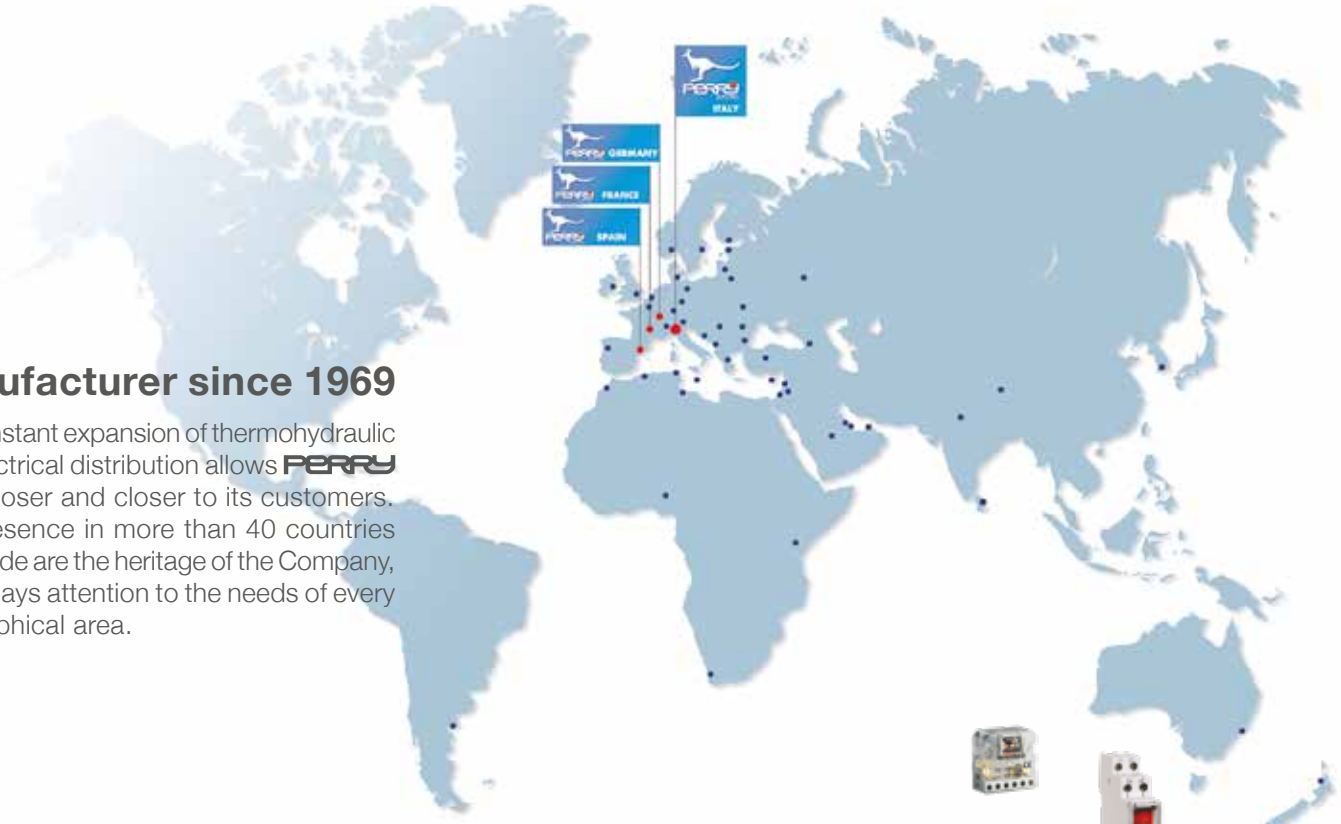
WI-FI TIME SWITCHES 24
DIGITAL TIME SWITCHES 26
MECHANICAL TIME SWITCHES WITH TAPPETS 29
STAIRCASE TIMERS 30
PHOTOCELL LIGHTING SWITCHES FOR OUTDOOR DIN RAIL MOUNTING 31

GAS SAFETY

FOR RESIDENTIAL APPLICATIONS 33
FOR INDUSTRIAL APPLICATIONS 34
GAS SENSORS 35
SOLENOID VALVES 38

TRANSFORMERS AND CHIMES

TRANSFORMERS FOR INTERMETTENT SERVICE 39
TRANSFORMERS FOR CONTINUOUS SERVICE 40
CHIMES 41
BUZZERS 41



Manufacturer since 1969

The constant expansion of thermohydraulic and electrical distribution allows PERRY to be closer and closer to its customers. The presence in more than 40 countries worldwide are the heritage of the Company, which pays attention to the needs of every geographical area.

RELAYS

STEP RELAYS 42
DIGITAL TIME RELAY 44

MEASURING INSTRUMENTS

AMMETERS 45
VOLTMETERS 45
MULTIMETERS 45
ENERGY COUNTERS 45
NETWORK ANALYZERS 46
TA CURRENT TRANSFORMERS 47
HOUR COUNTERS 48

LEVEL REGULATORS

ELECTROMECHANICAL 49
ELECTRONIC 49

HYGIENIC DEVICES

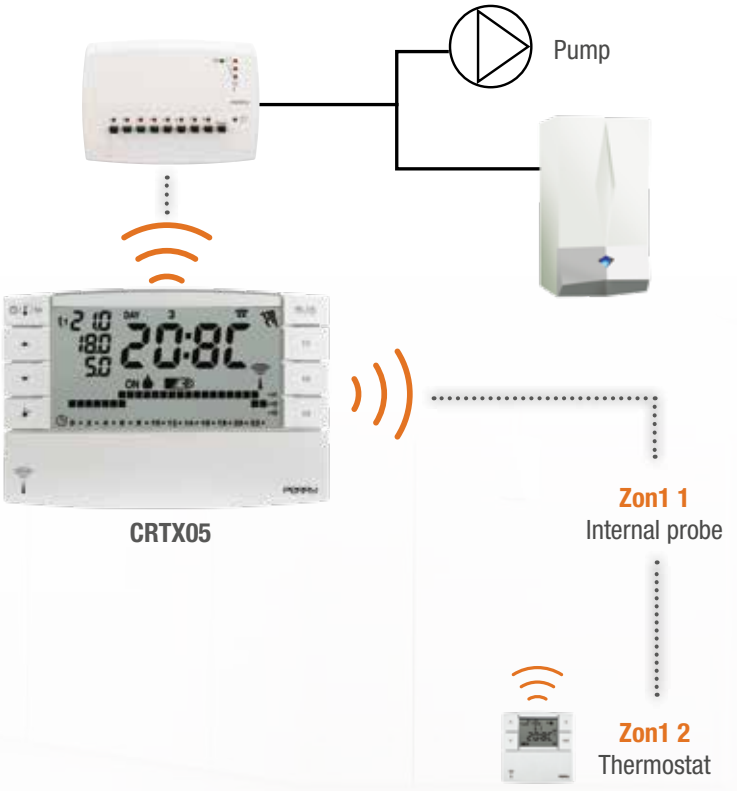
HAND DRYERS 50
SOAP DISPENSER 53
PAPER TISSUE DISPENSER 53
HAIR DRYERS 53

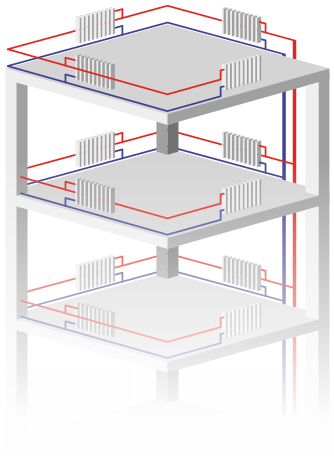
EMERGENCY LIGHTS

DIN RAIL MOUNTING 54
WALL MOUNTING 54

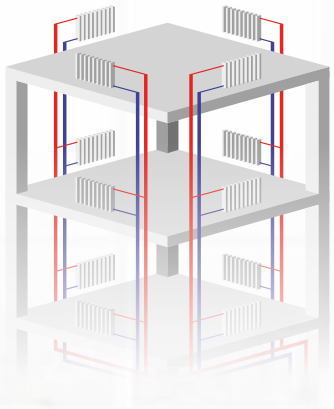
WIRELESS 868,35 MHz TEMPERATURE CONTROL

SINGLE OR CONDOMINIUM APARTMENT WITH HORIZONTAL PIPING SYSTEM

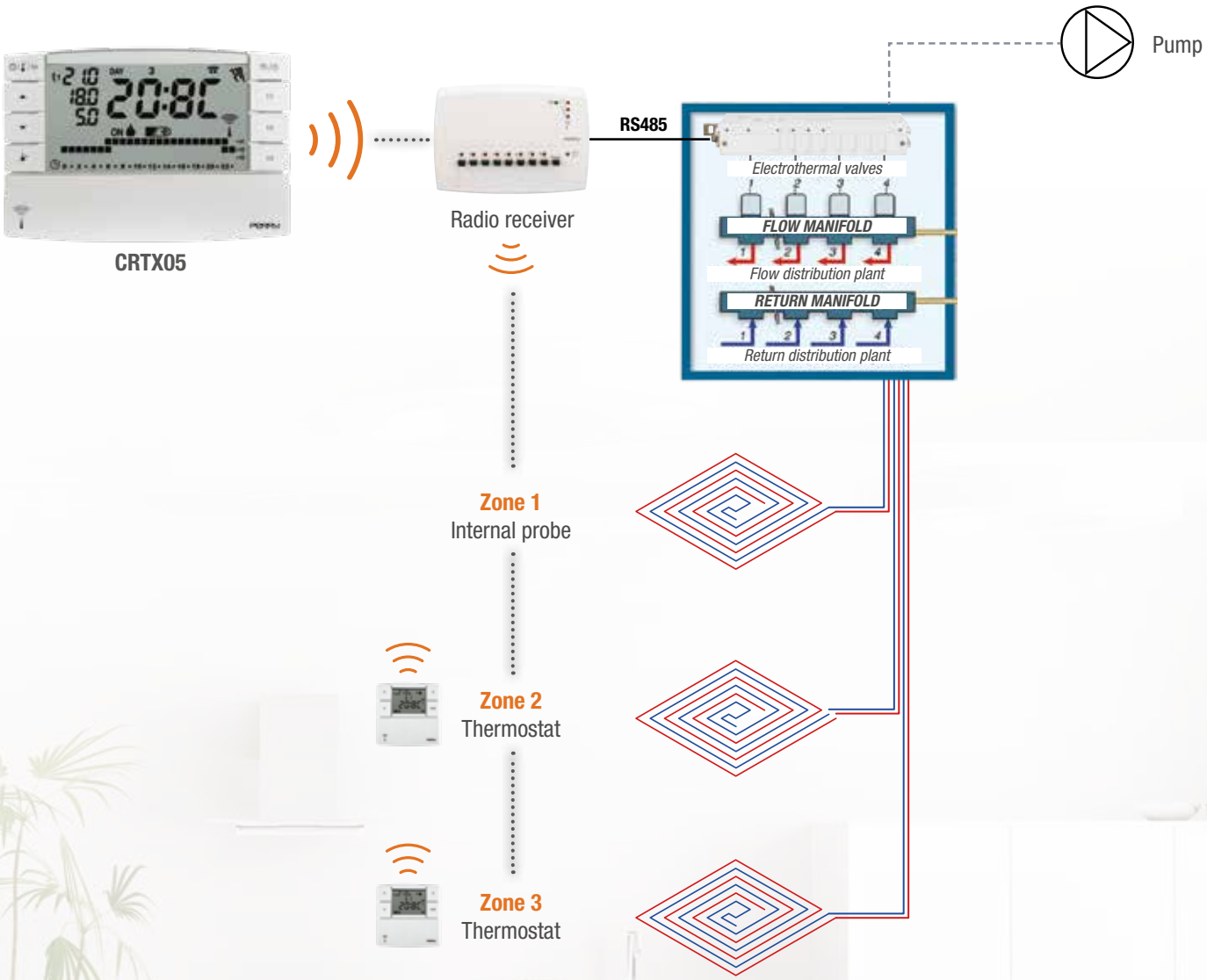




CONDOMINIUM APARTMENT WITH VERTICAL PIPING SYSTEM



NEW OR RENOVATED APARTMENTS WITH DISTRIBUTION BOX



WIRELESS TEMPERATURE CONTROL

1TX CRTX05 Wireless weekly digital programmable thermostat with 868.35 MHz RF output - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 3V - 2x1.5V AA alkaline batteries
- 3" ¾ LCD display
- ON / OFF operation with adjustable differential switch 0.2 - 0.7°C
- 2 temperature levels + anti-freeze (excludable or adjustable)
- 3 preset programs (modifiable)
- Minimum programming time 30 minutes
- MASTER function
- 3 years autonomy
- Temperature settings protected by password
- Adjustable temperature range: 5 - 39,9°C
- Automatic daylight saving time change
- SUMMER / WINTER option
- Possibility of correction of the detected room temperature (OFFSET).
- Interruption button for cleaning operations
- Range: 30 - 130m
- Dimensions: (L x W x H) 120 x 21 x 80 mm

1PA BTCRTX01 Table base for wireless programmable thermostat

Supporting base for positioning CRTX05 programmable thermostat in the most suitable place for temperature detection

1TX TETX04 Wireless daily digital thermostat with 868.35 MHz RF output - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 3V - 2x1.5V AA alkaline batteries
- 2" ⅓ LCD display
- ON / OFF operation with adjustable differential switch 0.2 - 0.7°C
- 2 temperature levels + anti-freeze (excludable or adjustable)
- 3 years autonomy
- SUMMER / WINTER option
- Temperature settings protected by password
- Operational safety is ensured by a double transmission of information to the receiver
- Possibility of correction of the detected room temperature (OFFSET).
- Indication of ON status and LOW battery
- Adjustable temperature range: 5 - 39,9°C
- Range: 30 - 130m
- Dimensions (L x W x H): 84 x 23 x 84 mm

1PA BTTETX01 Table base for thermostat TETX04

Supporting base for positioning TETX04 thermostat in the most suitable place for temperature detection.

1TX TETX03 Wireless daily electronic thermostat with 868.35 MHz RF output - white color

- Power supply 3V - 2x1.5V size C alkaline
- ON / OFF operation with adjustable differential switch 0.2 - 0.6°C
- Temperature levels 2: 1 direct 1 indirect
- Range: 30 - 130m
- SUM/WIN control
- ON status indicator
- LOW BATTERY indicator
- Radio transmission indicator
- Adjustable temperature range: 5 - 30°C
- Dimensions (L x W x H) 76 x 40 x 81 mm

1TX VTRX02 Electronic actuator for water radiators with 868,35 MHz RF transceiver - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 3V - 2x1.5V type C alkaline batteries
- Approx. lifetime 3 years
- ON / OFF operation
- RF signal level indicator
- IP 40
- Fault and / or battery charge indicator
- Valve opening / closing condition indicator
- Threaded coupling for radiators with adaptation ring nut for the main thermostatic valves
- Dimensions: (L x W x H): 62 x 70 x 97 mm

1TX CCRX01 Status control unit zone 868.35MHz - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

The control unit activates the load (pump boiler) with at least one open electronic valve

- Power supply 230V a.c. 50Hz
- 1 potential-free changeover contact output: 5 (2) A / 250V
- Reception frequency: 868.35Mhz
- RF signal level indicator
- Dimensions (L x W x H) 133 x 25 x 90 mm

1TX RX01/P 1-zone wall-mounted radio receiver - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 230V a.c. 50-60Hz
- Reception frequency: 868.35Mhz
- 1 potential-free changeover contact:output: 5 (2)A / 250V a.c.
- Manual ON / OFF control
- RF signal level indicator
- Dimensions (L x W x H) 133 x 25 x 90 mm

1TX RX02/P 2-zones wall-mounted radio receiver + 1 circulation pump output - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 230V a.c. 50-60Hz
- Reception frequency: 868.35Mhz
- 2 potential-free changeover contacts output: 5 (2) A / 250V + 1 Output to control the circulation pump 5 (2) A / 250V a.c.
- Manual ON / OFF control,
- RF signal level indicator
- Signal to control the activated circulation pump
- Dimensions (L x W x H) 133 x 25 x 90 mm

1TX RX0801/P 8-zones wall-mounted radio receiver + 1 circulation pump output - white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- 18V power supply via BUS
- Reception frequency: 868.35Mhz
- BUS RS 485 output for 8-output control + 1 circulation pump control output
- Manual ON / OFF control
- RF signal level indicator
- Signal to control the activated circulation pump
- Adjustable pump control delay 0" or 120"
- Dimensions (L x W x H) 133 x 25 x 90 mm

1TX BC0401/230 4-zones Control box
1TX BC0801/230 8-zones Control box

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 230V a.c. 50-60Hz
- 4 polarized outputs at 230V (1TX BC0401/230) 8 polarized outputs at 230V (1TX BC0801/230)
- Load 8 (2) A / 250V a.c. + 1 output to control the circulation pump 8 (2) A / 250V a.c.
- IP 32 (IP 52 with accessory cable glands)
- Connection to receiver RX0801/P with BUS RS 485
- Fault indicator LED
- ON / OFF pump status indicator LED
- mains presence indicator LED
- ON / OFF zone status indicator LED
- Dimensions (L x W x H) 250 x 76 x 43 mm

KITS FOR EXISTING SYSTEMS

1TX CRTX05RX01
Kit including 1 radio programmable thermostat + 1 wall-mounted 1-zone radio receiver 1TX RX01/P

CRTX05 programmable thermostat adjusts the time profiles and the temperature settings in the house. The RX01/P radio receiver activates / deactivates the connected load (pump, boiler, ...) according to the heat demand of the programmable thermostat.

1TX TETX04RX01
Kit including 1 radio thermostat + 1 wall-mounted 1-zone radio receiver 1TX RX01/P

TETX04 thermostat adjusts the temperature settings in the house. The RX01/P radio receiver activates / deactivates the connected load (pump, boiler, ...) according to the heat demand of the thermostat.

ACCESSORIES

1PA ASVT01 Angle adapter for electronic valves on radiators
It allows the vertical installation of the electronic valves on the radiators

1PA PPBC01 Cable glands for control boxes
Package consists of n° 11 cable glands for control boxes, protection degree IP52

1PR PSA01 Replacement battery for CRTX05 / TETX04

1PR PMS01 Replacement battery for TETX03

1PR PMT02 Replacement battery for VTRX02

PROGRAMMABLE THERMOSTATS AND THERMOSTATS MAIN FUNCIONTAL FEATURES

(for technical data of every single product please check the relative part numbers)

PROGRAMMABLE THERMOSTATS

5 preset programs including 1 holiday program
Based on historical knowledge of the market that meet the needs of most users.

1 free program with easy programming to meet the most demanding customers
Freely programmable every 30' of the day on four different temperature levels (t1, t2, t3, td) and in a different way for each day of the week.

3 temperature levels t1, t2, t3 + antifreeze td all settable and independent

Adjustable temperatures in 0.1°C sets
To have the optimal comfort conditions and therefore improve the well-being feeling in the environment.

Summer / winter control
For applications in heating and air conditioning systems.

Temperature offset
If for any reason the programmable thermostat is installed in a position where the measured temperature can be influenced by external factors, you can set an offset (correction value) of the measured temperature: correction can be set from - 1.9 to + 1.9 ° C.

Intelligent / eco / optimized operation
Intelligent operation: The programmable thermostat anticipates automatically the system, in order to obtain the desired temperature at the set time: the anticipation (max 2 hours) is self-adjusted according to the characteristics of the system.
Eco Operation: the programmable thermostat anticipates the switching off taking advantage of the thermal inertia of the system, allowing a considerable saving of energy.
Optimized operation: the programmable thermostat anticipates the switching on and off of the system.

Cleaning suspension
It is used to stop for a predetermined time, the operation of the system. Without wasting energy and with ease, just press the key with the “cleaning suspension” symbol and on the screen the segments indicating 2 hours disappear: the system is turned off.

Temperature set locking
For heating systems in holiday houses, public buildings, hotels, offices, as well as for homes, where it is necessary to determine the minimum and maximum temperatures to prevent heat theft (minimum temperature) and / or waste heat (maximum temperature).

System malfunction
If there’s no temperature variation in the environment over a period of two hours, an alert will appear on the display. The programmable thermostat maintains its operations even in the presence of the alert.

Descaling cycle
With the “pump start” mode activated, the programmable thermostat automatically provides to start the pump or valve for two minutes every day, even in the periods of suspension, to avoid fouling and possible seizures due to inactivity. This eliminates any risk when the system is reactivated.

Holiday program
For those who are away from home for several days, the modes “Countdown” or “Weekend” are provided, which suspend the operation of the programmable thermostat for a predetermined period of time, maintaining the temperature at antifreeze level.

Large LCD backlit display for perfect visibility
The backlight turns on when you press any key and turns off after 6 seconds (3V products) or programmable always ON (230V products).

Automatic daylight saving time change
The new range of programmable thermostats equipped with internal calendar allows the automatic daylight saving time change.

Keypad lock
The keypad can be locked to avoid any accidental change of the set program.

Factory programming
In order to minimize the installation time, the new range of programmable thermostats is programmed in our factory. READY TO USE!

THERMOSTATS

2 temperature levels comfort and night reduction control + antifreeze t d
All settable and indipendent

Adjustable temperatures in 0.1°C sets
To have the optimal comfort conditions and therefore improve the well-being feeling in the environment.

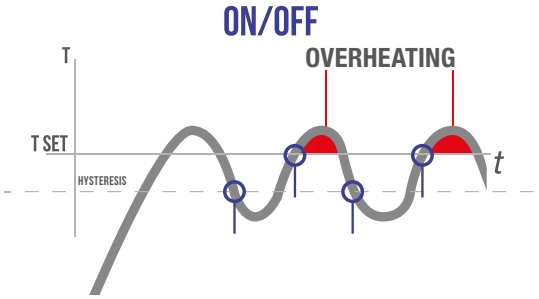
Summer / winter control
For applications in heating and air conditioning systems.

Temperature offset
If for any reason the programmable thermostat is installed in a position where the measured temperature can be influenced by external factors, you can set an offset (correction value) of the measured temperature: correction can be set from - 1.9 to + 1.9 ° C.

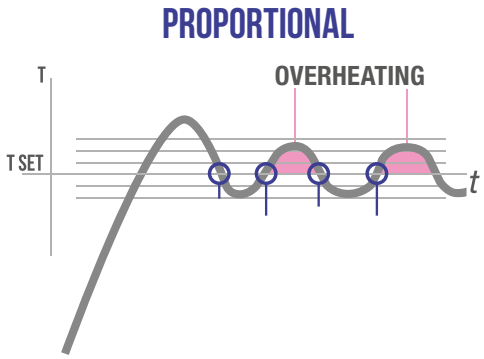
Temperature set locking
For heating systems in holiday houses, public buildings, hotels, offices, as well as for homes, where it is necessary to determine the minimum and maximum temperatures to prevent heat theft (minimum temperature) and / or waste heat (maximum temperature).

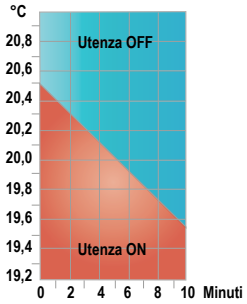
TEMPERATURE CONTROL PRODUCTS
2 TYPES OF OPERATION FOR ALL KINDS OF PLANT

ON / OFF mode with temperature differential
The differential must be set according to the system's thermal inertia; a low setting is recommended for systems with radiators (e.g. made of cast iron) and a high setting for systems with fan-coils.



Proportional mode
In order to adjust the temperature with set cycles of 7, 10, 15, 20 min., this system allows to maintain the desired temperature more stable, increasing the comfort feeling to the user and saving on energy consumption.
A long cycle is recommended for systems with high thermal inertia (cast-iron radiators, floor systems) and a short cycle for systems with low thermal inertia (fan-coils).





Setting example
T = 20°C - cycle = 10'

t = 20,5°C consumption always OFF
t = 20,4°C consumption 1' ON - 9' ' OFF
t = 20,3°C consumption 2' ON - 8' OFF
t = 20,2°C consumption 3' ON - 7' OFF
t = 20,1°C consumption 4' ON - 6' OFF
t = 20,0°C consumption 5' ON - 5' OFF
t = 19,9°C consumption 6' ON - 4' OFF
t = 19,8°C consumption 7' ON - 3' OFF
t = 19,7°C consumption 8' ON - 2' OFF
t = 19,6°C consumption 9' ON - 1' OFF
t = 19,5°C consumption always ON

WI-FI PROGRAMMABLE THERMOSTATS - WALL MOUNTED

- **Programmable thermostat connected to internet. It's programmable and readable by smartphone, tablet e PC.**
- **Expandable (up to 30 devices, included max 1 energy meter) for zone valves control.**

1TX CR028WIFIKIT
Starter kit: 1 Wi-Fi programmable thermostat 1TX CR028WIFI + 1 Smartbox 1TX RX01WIFI

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

The ready-to-use solution to adjust the temperatures of your home directly from your smartphone.
The kit includes the 1TX CR028WIFI chronothermostat and the Smartbox 1TX RX01WIFI.

Backlit display

1TX CR028WIFI - 3V
Wi-Fi programmable thermostat 3V with radio receiver 868.35MHz, white color

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 3V – 2x1.5V AA alkaline batteries
- Output: 1 potential free changeover contact: 5 (3) A / 250V a.c.
- 4.3" backlit LCD display
- Backlit buttons
- ON / OFF operation mode with adjustable differential from (0.2-0.3-0.5-0.7° C) or modulating (control period 10/15/20/25 minutes)
- Up to 10 daily programs
- Summer / Winter control
- Temperature adjustable by 0,5°C sets
- Minimum programming: 1 minute
- Holiday Program (energy saving)
- Pump activation program
- Timed backlighting
- Keyboard lock
- Wall mounting
- Dimensions (LxWxH) 128.5 x 88.5 x 26 mm

The programmable thermostat WI-FI PERRY powered by 3 V alkaline batteries (it doesn't need 230V), allows to change easily and quickly the traditional thermostats.

1TX RX01WIFI
Smartbox 5V for Wi-Fi Programmable thermostat 3V with radio receiver 868.35MHz

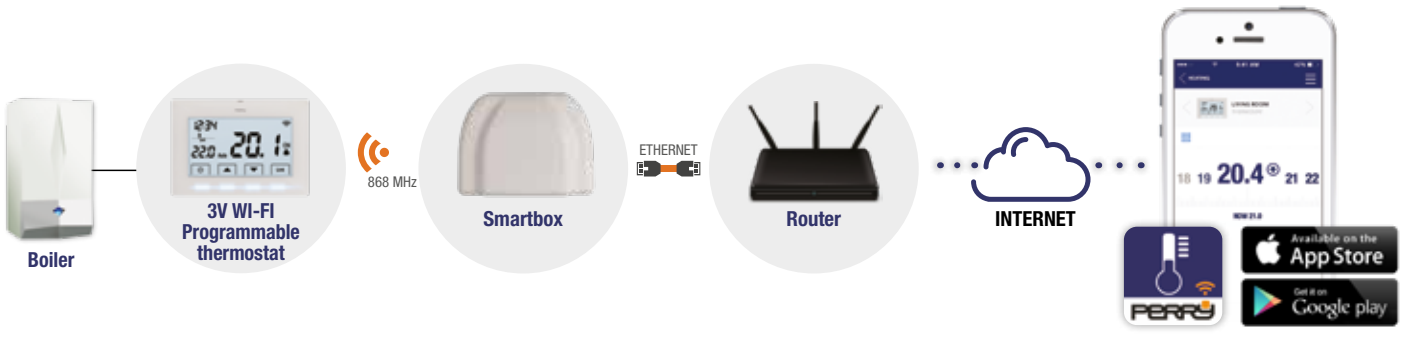
Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 5V 350 mA (Powered by an external micro USB adapter)
- PCB antenna build in
- Connected via Ethernet cable RJ45 to the router (included)
- Dimensions (LxWxH) 102 x 35 x 77 mm

1TX ME01WIFI
Power meter with radio receiver 868.35MHz - 1 DIN

Product complying the radio devices Directive 2014/53/UE and RoHS 2011/65/UE

- Power supply 200-260V 50Hz
- PCB antenna build in
- Dimensions (LxWxH) 17,5 x 60 x 90 mm



Backlit display

1TX CR029WIFI - 230V

Wi-Fi programmable thermostat 230V with radio receiver 868.35MHz, white color

- Power supply 230V - 50Hz
- Output: 1 potential free changeover contact: 5 (3) A / 250V a.c.
- 4.3” backlit LCD display
- Backlit buttons
- ON / OFF operation mode with adjustable differential from 0.2 to 1,2°C or modulating (control period from 7 to 20 minutes)
- Up to 10 daily programs
- Summer / Winter control
- Temperature adjustable by 0,5°C sets
- Minimum programming: 1 minute
- Holiday Program (energy saving)
- Pump activation program
- Timed backlighting
- Keyboard lock
- Wall mounting
- Dimensions (LxWxH) 128.5 x 88.5 x 26 mm

MULTI-INSTALLATION / MULTI-ZONE MANAGEMENT

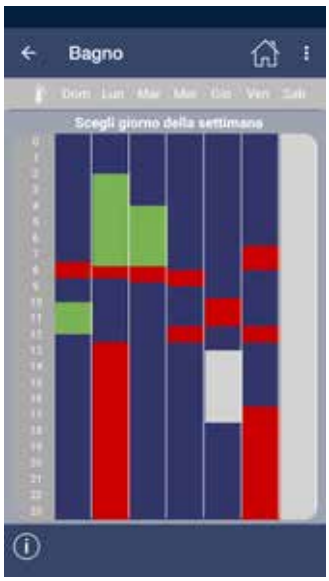
To manage multiple devices in a home or in different systems.

TEMPERATURE SETTING

Simple and intuitive.

WEEKLY PROGRAMMING

Up to 10 levels of temperature per day.



VOICE ASSISTANTS

The new Perry Wi-fi programmable thermostat supports Alexa and Google Home. From now on, it will be easy to manage the home temperature.

WORKS WITH amazon alexa

Google HOME

EASY TO INSTALL

The new programmable thermostat CR029WIFI simplifies the installation and configuration operations. Using the Perry APP the parameters of time, date and time programming synchronize in few seconds.

ADVANCED SETTINGS

Temperature locks, offset, regulation for floor or traditional installation.

GEOLOCATION

It allows, depending on the positions of the tenants, to lower or raise the temperature. It guarantees a considerable energy consumption.

SHARING

App allows sharing the devices with other users (with setting limits). Function particularly useful in the family or in rented homes.

PROGRAMMABLE THERMOSTATS - WALL MOUNTED

Backlit display

1CR CR028A - Anthracite color - 3V
1CR CR028B - White color - 3V
1CR CR029A - Anthracite color - 230V
1CR CR029B - White color - 230V
"NEXT" series menu driven weekly digital programmable thermostat

Keys lit in different colors depending on consumption

- Multilanguage menu
- Power supply: 3V 2x1,5AA alkaline batteries (CR028)
  230V 50-60Hz (CR029)
- 4.3" backlit LCD display
- Output: 1 potential free changeover contact: 5(3)A/250V a.c.
- ON / OFF operation mode with adjustable differential from 0.2-1.2 ° C or modulating with control period from 7-20 min
- 4 preset modifiable programs
- Temperature levels: 3 + anti-freeze
- Independent manual temperature
- Temperature adjustable by 0,1°C sets
- Minimum programming: 30 minutes
- Temporary / permanent manual operation
- Automatic daylight saving time change
- Pausing for household cleaning
- Input for telephone programmer or remote contact
- Summer / Winter control
- Input for remote probe (CR028)
- Holidays program and pump activation program
- Temperature setting lock
- User / Installer password
- Backlighting: timed (CR028), timed and fixed (CR029)
- Relay status indicator
- Maintenance settings during blackout 48-hour (CR029)
- Temperature offset: adjustable according to product positioning
- Temperature setting range: 5 - 37.7°C
- Dimensions: (L x W x H) 128.5 x 88.5 x 26 mm

1PA STE02 NTC temperature probe with 4 m cable, for CR028

Detection probe with 2x1.5 mm^2 shielded cable - IP65 - Extendable up to max. 20 m.
The probe allows temperature sensing in another room, underfloor or outside.

Time and standard heating program are preset at the factory and can be modified by the user at any time

1CR CR017AG - Anthracite color - Daily
1CR CR017BG - White color - Daily
1CR CR018AS - Anthracite color - Weekly
1CR CR018BS - White color - Weekly
"UP & DOWN Compact" digital programmable thermostat 3V series

- Power supply 3V - 2x1.5V AAA alkaline
- 4" ½ LCD display
- 1 potential-free changeover contact output: 5(2)A/250V a.c.
- 10 Temperature levels + anti-freeze
- Minimum programming time 60 minutes
- Temperature offset: adjustable according to product positioning (winter / summer)
- Automatic daylight saving time adjustment
- Preset at the factory
- ON / OFF operation mode with adjustable differential switch or proportional with control period 7/10/13/20'
- 3 operation modes: intelligent / eco / optimised
- Temporary / permanent manual operation modes
- Autonomy: 12 months
- Holiday Program and pump activation program
- Pausing for household cleaning
- Temperature setting lock
- Keypad lock
- Password protection for access to keyboard
- Heating setting range: 15-17-18-19-20-20,5-21-22-23-24°C
- Cooling setting range: 20-22-23-24-25-26-27-28-32-36°C
- Dimensions (L x W x H) 133 x 26 x 90 mm

1CR CR311B
"SLIM" serie digital programmable thermostat

- Multilanguage menu
- Power supply 3V - 2x1.5V AAA alkaline
- 1 potential-free changeover contact output: 5(2)A/250V a.c.
- ON / OFF operation mode with adjustable differential from 0.2-1.2 ° C or modulating with control period from 7-20 min
- 4 preset modifiable programs
- Temperature levels: 3 + anti-freeze
- Independent manual temperature
- Temperature adjustable by 0,1°C sets
- Minimum programming: 30 minutes
- Independent manual temperature
- Automatic daylight saving time change
- Summer / Winter control
- Holiday Program and pump activation program
- Pausing for household cleaning
- Temperature setting lock
- User / Installer password
- Autonomy: 12 months
- Relay status indicator
- Temperature offset: adjustable according to product positioning
- Temperature setting range: 5 - 37.7°C
- Dimensions: (L x W x H) 120 x 21 x 80 mm

1CR CR308/G - Daily
1CR CR309/S - Weekly
"EASY" series digital analogue programmable thermostat 3V - white color

- Power supply 3V - 2x1.5V AA alkaline
- 2" 2/3 LCD display
- 1 potential-free changeover contact output: 5 (3)A/250V a.c.
- ON / OFF operation with adjustable differential switch 0.3/0.5/0.7 0.9°C or adjustable proportional cycle 7/10/15/20 min
- Temperature adjustment on display
- Temperature levels 2 + anti-freeze fixed at 5°C
- Autonomy: 24 months
- Minimum programming 30 minutes
- Permanent manual operation
- Total ON / OFF function
- Temperature lock
- Telephone control input
- Temperature setting range: 5 - 37.7°C
- Dimensions (L x W x H) 121.5 x 31.5 x 82 mm

THERMOSTATS - WALL MOUNTED

Backlit display

1TP TE028A - Anthracite color - 3V
1TP TE028B - White color - 3V
1TP TE029A - Anthracite color - 230V
1TP TE029B - White color - 230V
"NEXT" series menu driven daily digital thermostat

- Power supply: 3V 2x1,5AA alkaline batteries (TE028) 230Vac 50-60Hz (TE029)
- Multilanguage menu
- 4.3" backlit LCD display
- Backlit buttons
- Output: 1 potential free changeover contact: 5 (3) A / 250Va.c.
- ON / OFF operation mode with adjustable differential from 0.2 - 1.2 ° C or modulating with control period from 7 - 20'
- Temperature levels: 2 + anti-freeze
- Temperature adjustable by 0,1°C sets
- Pausing for household cleaning
- Input for telephone programmer or remote contact
- Input for remote probe (TE028)
- Summer / Winter control
- Pump activation program
- Temperature setting lock
- User password
- Installer password
- Backlighting: timed (TE028), timed and fixed (TE029)
- Relay status indicator
- Temperature offset: adjustable according to product positioning
- Wall mounting
- Temperature setting range: 5 - 37.7°C
- Dimensions: (L x W x H) 128.5 x 88.5 x 26 mm

Keys lit in different colors depending on consumption

Below 18,0 °C the keys light up in green indicating low consumption

Between 18,1 °C and 21 °C the keys light up in blue indicating optimal consumption

Above 21,1 °C the keys light up in red indicating consumtion over needs

1PA STE02 NTC temperature probe with 4 m cable, for CRO28

Detection probe with 2x1.5 mm^2 shielded cable - IP65 - Extendable up to max. 20 m.
The probe allows temperature sensing in another room, underfloor or outside.

1TP TE530B - 3V
1TP TE531B - 230V
"ZEFIRO" series 80 x 80 digital thermostat, white color

- Power supply: 3V 2x1.5V AAA alkaline batteries (TE530B) 230V a.c. 50-60Hz (TE531B)
- 2" 1/3 LCD display
- 1 potential-free changeover contact output: 5 (3) A / 250Va.c.
- ON / OFF operation with adjustable differential switch 0.2 - 1,2°C or proportional with 7/20' control period
- Temperature levels 2 + anti-freeze
- Temperature adjustable by 0.1°C sets
- LOW BAT indicator (TE530B)
- Autonomy: 24 months (TE530B)
- Relay status indicator
- SUM/WIN control
- Temperature setting lock
- Temperature offset: adjustable according to product positioning
- Temperature setting range: 5 - 37.7°C
- Dimensions (L x W x H) 84 x 23 x 84 mm

1TP TE532B
"ZEFIRO" series 80x80 digital thermostat 230V, for public areas white color

- Power supply 230V a.c. 50-60Hz
- 2" 1/3 LCD display
- 1 potential-free changeover contact output: 5 (3) A / 250Va.c.
- ON / OFF operation with adjustable differential switch 0.2 - 1,2°C or proportional with 7/20 minutes control period
- Temperature levels 2 + anti-freeze
- Temperature adjustable by 0.1°C sets
- Temperature setting range: 5 - 37.7°C
- Dimensions (L x W x H) 89,7 x 27 x 87,4 mm

Inaccessible controls, reserved to installer:
- temperature SET adjustment
- SUM / WIN control
- on /off
- adjustment settings
- Temperature offset: adjustable according to product positioning

THERMOSTATS - WALL MOUNTED

1TP TE011B
"SLIM" series 3V digital thermostat, white color

- Power supply: n° 2 Alkaline stilo batteries 1,5 V type AAA (LR0 3)
- 2,6" LCD display
- Multilanguage menu
- Type of output: voltage free relay with COM / NO / NC changeover contact - max 5(3)A/250 V ~
- Type of temperature adjustment: differential ON/ OFF adjustable from 0.2 °C to 1.2 °C or modulating proportional cycles adjustable from 7 to 20 minutes
- Number of temperature levels: 2+antifreeze
- Setting temperature Set: in step of 0.1 °C
- Ambient temperature display range: -5 °C ÷ + 37.7 °C
- Winter and Summer mode)
- Pump activation program
- Temperature set lock
- User password
- Installer password
- Relay ON signal
- Autonomy: more than 1 year
- Wall mount
- Temperature correction: adjustable from -3.0 °C to +3.0 °C
- Dimensions (LxWxH) 120 x 21 x 80 mm

1TP TE400/B - 3V
1TP TE410/B - 230V
"SLIM" series digital thermostat with ON / OFF / NIGHT REDUCTION control, white color

- Power supply: 3V 2x1.5V AAA alkaline batteries (TE400/B) 230V c.a. 50-60Hz (TE410/B)
- 1" LCD display
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with settable differential switch 0.3 / 0.5 / 0.7 / 0.9°C
- Adjustment according to a graduated scale with analogue and digital setting
- Autonomy: 12 months (TE400/B)
- 1 temperature level with continuous adjustment + fixed reduced control -4°C on the set value
- ON / OFF / NIGHT REDUCTION control
- LOW BAT indicator LED
- Relay status indicator LED
- Remote night reduction control input
- Max Temperature setting lock
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 21 x 80 mm

1TP TE402/B - 3V
1TP TE411/B - 230V
"SLIM" series digital thermostat with SUMMER / OFF / WINTER control, white color

- Power supply: 3V 2x1.5V AAA alkaline batteries (TE402/B) 230V c.a. 50-60Hz (TE411/B)
- 1" LCD display
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with settable differential switch 0.3 / 0.5 / 0.7 / 0.9°C
- Adjustment according to a graduated scale with analogue and digital setting
- Autonomy: 12 months (TE402/B)
- 1 temperature level with continuous adjustment + fixed reduced control -4°C on the set value
- SUMMER / OFF / WINTER control
- LOW BAT indicator LED
- Relay status indicator LED
- Remote night reduction control input
- Max Temperature setting lock
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 21 x 80 mm

1TP TE500A - Anthracite color
1TP TE500B - White color
"ZEFIRO" series electronic thermostat with LED

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with fixed differential at 0.4°C
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Wall mounting or semi recess
- Remote input for night reduction -4°C on the set-point value
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- Mains connection indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 27.5 x 81 mm

1TP TE501A - Anthracite color
1TP TE501B - White color
"ZEFIRO" series electronic thermostat with ON / OFF control

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with fixed differential at 0.4°C
- ON / OFF control
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Wall mounting or semi recess
- Remote input for night reduction -4°C on the set-point value
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- Mains connection indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 27.5 x 81 mm

1TP TE502B
“ZEFIRO” series electronic thermostat with floor probe, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with fixed differential at 0.4°C
- ON / OFF control
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Wall mounting
- Remote input for night reduction -4°C on the set-point value
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- Mains connection indicator LED
- Temperature setting range: 0 - +60°C
- Dimensions (L x W x H) 120 x 27.5 x 81 mm

1TP TE503A - Anthracite color
1TP TE503B - White color
“ZEFIRO” series electronic thermostat with SUMMER / WINTER control

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250V a.c.
- ON / OFF operation with fixed differential at 0.4°C
- SUMMER / OFF / WINTER control
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Wall mounting or semi recess
- Remote input for night reduction -4°C on the set-point value
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- WINTER / SUMMER indicator LED
- Mains connection indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 27.5 x 81 mm

1TP TE565B
“ZEFIRO” series electronic thermostat for Fan Coil with SUMMER / OFF / WINTER control, white color

- Power supply 230V a.c. 50-60Hz
- 1 polarized NO contact output: 5 (2) A / 250V a.c.
- Proportional operation with fixed control period
- SUMMER / OFF / WINTER control
- I° II° III° Speed control
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- SUMMER / WINTER indicator LED
- Power supply indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 120 x 27.5 x 81 mm

1TP TE566B
Electronic thermostat “EUROPA” series for “Fan Coil” with SUMMER / OFF / WINTER control, white color

- Power supply 230V a.c. 50-60Hz
- 1 polarized NO contact output: 5 (2)A / 250V a.c.
- Proportional operation with fixed control period
- SUMMER / OFF / WINTER control
- Temperature adjustment on graduated scale with mechanical index set-point
- I° II° III° Speed control
- 1 Temperature level with continuous adjustment
- Set-point with mechanical max temperature lock
- Relay status indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 36 x 74 mm

1TP TE036
“EUROPA” series electronic thermostat, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 5 (2) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0,2 - 2,5°C
- 1 Temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- Relay status indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 36 x 74 mm

1TP TE041
“EUROPA” series electronic thermostat, with SUMMER / WINTER control, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 5 (2) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0,2 - 2,5°C
- SUMMER / WINTER control
- 1 Temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- Relay status indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 36 x 74 mm

1TP TE046
“EUROPA” series electronic thermostat, with ON / OFF control, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 5 (2) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0,2 - 2,5°C
- ON / OFF control
- 1 Temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- Relay status indicator LED
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 36 x 74 mm

THERMOSTATS - WALL MOUNTED

1TP TE065
"EUROPA" series electronic thermostat for "Fan Coil" with SUMMER / OFF / WINTER control, white color

- Power supply 230V a.c. 50-60Hz
- 1 polarized NO contact output: 5 (2) A / 250V a.c.
- Proportional operation with fixed control period
- SUMMER / OFF / WINTER control
- 0 I° II° III° Speed control
- Relay status indicator LED
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 Temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 36 x 74 mm

1TG TEG130
"TEG" series gas expansion thermostat without LED indicator, white color

- 1 potential-free changeover contact output: 10 (2) A / 250V a.c.
- ON / OFF operation with fixed differential switch
- 1 temperature level with continuous adjustment
- Temperature adjustment on graduated scale with mechanical index set-point
- Set-point with mechanical temperature lock
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 40 x 74 mm

1TG TEG131
"TEG" series gas expansion thermostat with LED indicator, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 10 (2) A / 250V a.c.
- ON / OFF operation with fixed differential switch
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- ON / OFF indicator LED of the connected load
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 40 x 74 mm

1TG TEG131RA
"TEG" series gas expansion thermostat with LED indicator and Accelerating resistance, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 10 (2) A / 250V a.c.
- ON / OFF operation with fixed differential switch
- Temperature adjustment on graduated scale with mechanical index set-point
- 1 temperature level with continuous adjustment
- Set-point with mechanical temperature lock
- Accelerating resistance
- ON / OFF indicator LED of the connected load
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 40 x 74 mm

1TG TEG132
"TEG" series gas expansion thermostat with LED indicator and ON / OFF control, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 10 (2) A / 250V a.c.
- ON / OFF operation with fixed differential switch
- ON / OFF control
- 1 temperature level with continuous adjustment
- Temperature adjustment on graduated scale with mechanical index set-point
- Set-point with mechanical temperature lock
- ON / OFF indicator LED of the connected load
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 40 x 74 mm

1TG TEG136
Gas expansion thermostat "TEG" series with LED indicator and SUMMER / WINTER control, white color

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 10 (2) A / 250V a.c.
- ON / OFF operation with fixed differential switch
- SUMMER / WINTER control
- 1 temperature level with continuous adjustment
- Temperature adjustment on graduated scale with mechanical index set-point
- Set-point with mechanical temperature lock
- ON / OFF indicator LED of the connected load
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 74 x 40 x 74 mm

1PA TEG03B "TEG"series base for thermostat installation

Base for TEG" thermostat installation "in round and / or rectangular recessed boxes

FUNCTIONAL FEATURES

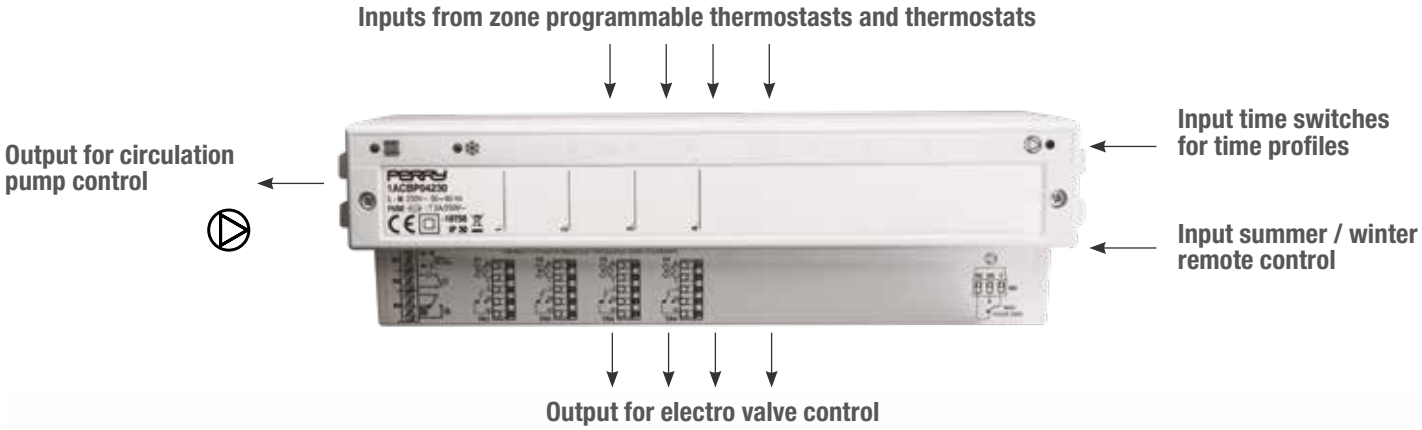
The control boxes are electronic devices equipped with 4-8 inputs and 4-8 outputs for control of opening / closing of the electro valves mounted on distribution manifolds. Intelligent operation mode to start or stop any circulation pump installed in the hydraulic distribution box and / or the circulation pump of the individual boiler and / or the zone valve. When all the electro valves are close, the control box stops the pump / zone valve. When even only one of electro valves is open, the control box restarts the pump or the zone valve.
Input for the connection of a time switch for programming the operating times of the heating system of the apartment (and of offices) and input for remote control switching of the system for winter / summer mode.

1AC BP04230
4-zones control box with 4 +1 relay outputs

- Power supply 230V a.c. - 50Hz
- Potential-free changeover contacts: 10 A / 250V a.c.
- 4 controllable zones
- Output for active pump control with at least one open zone valve
- Output controlled by a time switch
- Remotely controlled SUM / WIN output
- WINTER operation indicator LED
- SUMM ER operation indicator LED
- ON / OFF pump
- control indicator LED
- Protection degree IP 30
- Dimensions (L x W x H) 250 x 76 x 43 mm

1AC BP08230
4-zones control box with 8 +1 relay outputs

- Power supply 230V a.c. - 50Hz
- Potential-free changeover contacts: 10 A / 250V a.c.
- 8 controllable zones
- Output for active pump control with at least one open zone valve
- Output controlled by a time switch
- Remotely controlled SUM / WIN output
- WINTER operation indicator LED
- SUMM ER operation indicator LED
- ON / OFF pump
- control indicator LED
- Protection degree IP 30
- Dimensions (L x W x H) 250 x 76 x 43 mm



DIN RAIL MOUNTED THERMOSTATS

1TM TE082
Electronic thermostat with adjustment on 2 temperature levels Comfort and Reduction - 2 DIN

- Power supply: 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0.5-2.5°C
- ON / OFF / ANTI-FREEZE control
- Comfort / reduction / automatic remote selection control
- 2 graduated scales with adjustment index
- 2 temperature levels with continuous adjustment
- Adjustable night reduction remote input
- Set-point with mechanical temperature lock
- Relay status indicator LED
- Comfort indicator LED
- Night reduction indicator LED
- Equipped with NTC-type remote probe, with white and anthracite caps to be recessed in wiring devices blind plug, extendedable up to max. 100 m with shielded cable
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE083
Electronic thermostat with ON / OFF / ANTI-FREEZE - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0.5-2.5°C
- ON / OFF / ANTI-FREEZE control
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Adjustable night reduction remote input
- Relay status indicator LED
- Night reduction indicator LED
- Equipped with NTC-type remote probe, with white and anthracite caps to be recessed in wiring devices blind plug, extendedable up to max. 100 m with shielded cable
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE084
Electronic thermostat with SUMMER / OFF / WINTER - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with adjustable differential switch 0.5-2.5°C
- SUMMER / OFF / WINTER control
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Adjustable night reduction remote input
- Relay status indicator LED
- Night reduction indicator LED
- Equipped with NTC-type remote probe, with white and anthracite caps to be recessed in wiring devices blind plug, extendedable up to max. 100 m with shielded cable
- Temperature setting range: 5 - 30°C
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE052/M
Electronic thermostat for switchboards - 2 DIN

For switchboards cooling and anti-condensation

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3)A / 250V a.c.
- ON / OFF operation with fixed differential switch 2°C
- 2 graduated scales with adjustment index
- Cooling adjustment range +20°C / +60°C
- Anticondensation adjustment range +0°C / +10°C
- 2 temperature levels with continuous adjustment
- Remote probe input
- Relay status indicator LED
- Damaged probe indicator LED
- Equipped with NTC-type remote probe, with white and anthracite caps to be recessed in wiring devices blind plug, extendedable up to max. 100 m with shielded cable
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE075
Electronic thermostat -30 / +30°C - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with fixed differential switch 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Remote probe cable length max. 100m
- Remote probe input
- Adjustment range -30°C / +30°C
- Relay status indicator LED
- Damaged probe indicator LED
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE076
Electronic thermostat -20 / +40°C - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with fixed differential switch 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Remote probe input
- Remote probe cable length max. 100m with shielded cable
- Adjustment range -20°C / +40°C
- Relay status indicator LED
- Damaged probe indicator LED
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE077
Electronic thermostat 0 / +60°C - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with fixed differential switch 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Remote probe input
- Remote probe cable length max. 100m with shielded cable
- Adjustment range 0°C / +60°C
- Relay status indicator LED
- Damaged probe indicator LED
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM TE078
Electronic thermostat 40 / +100°C - 2 DIN

- Power supply 230V a.c. - 50Hz
- 1 potential-free changeover contact output: 16 (3) A / 250V a.c.
- ON / OFF operation with fixed differential switch 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Remote probe input
- remote probe cable length max. 100m with shielded cable
- Adjustment range 40°C / +100°C
- Relay status indicator LED
- Damaged probe indicator LED
- Dimensions (L x W x H) 35 x 60 x 128 mm

1TM STE01 PTC temperature detection probe with 1.5m cable

Detection probe with shielded cable 2 x 1.5 mm^2 - IP 68 extendable up to max. 100m

1TM STE01/4 PTC temperature detection probe with 4m cable

Detection probe with shielded cable 2 x 1.5 mm^2 - IP 68 extendable up to max. 100m

MECHANICAL CONTACT THERMOSTATS

1TC TB060
Contact thermostat for piping

- 1 potential-free changeover contact output: 16 (5) A / 250V a.c.
- ON / OFF operation with fixed differential switch 4 ± 2°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Installation in piping with supplied elastic strap
- Adjustment range +30°C / +90°C
- IP 20
- Dimensions (L x W x H) 54 x 56 x 99 mm

1TC TB065
Thermostat, immersion bulb

- 1 potential-free changeover contact output: 16 (5) A / 250V a.c.
- ON / OFF operation with fixed differential switch 4 ± 2°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Bulb diameter 8mm
- Bulb for immersion installation
- Adjustment range +30°C / +90°C
- IP 20
- Dimensions (L x W x H) 54 x 72 x 98.5 mm

1TC TB071
Thermostat with safety limiting device

- 1 potential-free changeover contact output: 16 (5) A / 250V a.c.
- ON / OFF operation with fixed differential switch 4 ± 2°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Bulb diameter 14mm
- Bulb for immersion installation
- Adjustment range +30°C / +90°C
- Safety limiting device T=100°C
- IP 20
- Dimensions (L x W x H) 108 x 56 x 98.5 mm

1TC TB081
Thermostat for hot air generators

- 1 potential-free changeover contact output: 16 (5) A / 250V a.c.
- ON / OFF operation with fixed differential switch 4 ± 2°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Bulb diameter 14mm
- Bulb for immersion installation
- Adjustment range +30°C / +90°C
- IP 20
- Installation in hot air generators
- Dimensions (L x W x H) 108 x 56 x 98.5 mm

1TC TB088
Thermostat with external probe +4 / +40°C

- 1 potential-free changeover contact output: 16 (5) A / 250Va.c.
- ON / OFF operation with fixed differential switch 1,5 ± 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Adjustment range +4°C / +40°C
- IP 20
- Dimensions (L x W x H) 72 x 45.5 x 136 mm

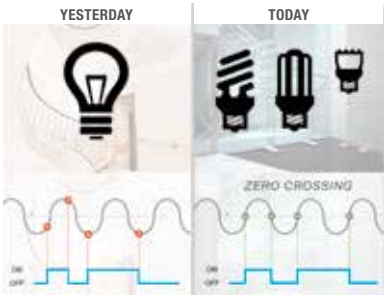
1TC TB090
Thermostat with external probe -5 / +35°C

- 1 potential-free changeover contact output: 16 (5) A / 250V a.c.
- ON / OFF operation with fixed differential switch 1,5 ± 1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Adjustment range -5°C / +35°C
- IP 54
- Dimensions (L x W x H) 61 x 60 x 105 mm

1TC TB091
Thermostat with external probe +20 / +60°C

- 1 potential-free changeover contact output: 16 (5) A / 250Va.c.
- ON / OFF operation with fixed differential switch 1,5 / -1°C
- Graduated scale with adjustment index
- 1 temperature level with continuous adjustment
- Adjustment range +20°C / +60°C
- IP 54
- Dimensions (L x W x H) 61 x 60 x 105 mm

MOTION AND PRESENCE DETECTORS



ZERO CROSSING

Contact closing with zero load and "ZERO CROSSING" method

The relay contacts will open and close only in the instant when the voltage is equal to zero. This method allows to increase the contact lifetime by optimizing the activation and deactivation of the load. ZERO CROSSING products are particularly suitables for controlling electronic lamps, LED and energy-saving lamps.

- **Possibility of manual override to keep the light on five hours by disabling the action of the sensor.**

1SP SP050
Motion detector for recess mounting in round box, white lens - IP 40

- Power supply 230V a.c. ± 10% 50 Hz
- Maximum lighting load:
  incandescent lamps 1.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- Protection degree IP 40
- Wire section at terminals 0,75..... 2,5 mm²
- Degree of pollution normal
- Installation in recess mounted round box
- Detection angle 180° up to 3m, 160° from 3 m to 12 m
- Detection distance 12 m
- Adjustment of deactivation delay from 15" to about 30'
- Lux adjustment from 20 to 300 LUX
- Warm Up Time when first powered or after blackout about 1 minute
- Operating temperature from 0°C to +40°C
- Storing temperature from -10°C to +60°C
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (L x W x H) 80 x 54,5 x 80 mm

- **Equipped with adapter for installation in corners.**
- **Possibility of limiting the detection range by obscuring the segments of the lens either horizontally or vertically.**

1SP SP044B - IP44
1SP SP055B - IP55
Wall-mounted motion detector "ZERO" range - white color

- Power supply 230V a.c. ± 10% 50 Hz
- Maximum lighting load:
  incandescent lamps 1.800W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 5 lamps
- Protection degree IP44 (SP044) - IP55 (SP055)
- Wire section at terminals 0,75..... 2,5 mm²
- Degree of pollution normal
- Detection angle up to 220°
- Detection distance 12 m
- Adjustment of deactivation delay from about 35" to about 20'
- Lux adjustment from 5 to 1.000 LUX
- Warm Up Time when first powered or after blackout about 40"
- Operating temperature from -20°C to +40°C
- Storing temperature from -20°C to +70°C
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (L x W x H) 72,6 x 91,6 x 93,5 mm

- **Possibility of manual override to keep the lights on 5 hours disabling the action of the sensor.**

1SP SP003A - Anthracite color
1SP SP003B - White color
Wall-mounted infrared motion detector "CUBE" with "zero crossing"- IP 54

ZERO CROSSING

- Power supply 230V a.c. ± 20% 50 Hz
- Relay output 5A
- Maximum lighting load:
  incandescent lamps 1.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 200W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP 54
- Degree of pollution normal
- Detection angle 140° - Detection distance max 10 m
- Head swivelling angle 180° horizontal, 12° vertical
- Adjustment of deactivation delay 10" - 12'
- Lux adjustment from 5 to 300 LUX
- Sensitivity adjustment 40cm - 10m
- Insulation class II
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (L x W x H) 50 x 64 x 102 mm

- **Equipped with adapter for installation in corners.**
- **Possibility of limiting the detection range by obscuring the segments of the lens either horizontally or vertically.**
- **Possibility of manual override to keep the lights on 4 hours disabling the action of the sensor.**

1SP SP005
Wall-mounted infrared motion detector with "zero crossing" - IP 55 white color

ZERO CROSSING

- Power supply 220÷240V c.a. 50Hz
- Maximum lighting load:
  incandescent lamps 2.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 220W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP 55
- Degree of pollution normal
- Detection angle 240°
- Detection distance max 12 m
- Head swivelling angle 180° horizontal (limitable)
- Adjustment of deactivation delay 5" - 12'
- Lux adjustment from 5 to 1.000 LUX
- Sensitivity adjustment 3 - 12m
- Insulation class II
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (L x W x H) 72 x 106 x 88 mm

MOTION AND PRESENCE DETECTORS

• Equipped with adapter for ceiling installation

1SP SP060B
Wall-mounted motion detector with courtesy LED light - IP54

ZERO CROSSING

- Power supply 230V a.c. ± 10% 50 Hz
- Maximum lighting load:
  incandescent lamps 1.000W
  fluorescent lamps (uncompensated) 400W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 5 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP54
- Detection angle 180°
- Detection distance 12 m
- Adjustment of deactivation delay from about 5" to 12'
- Lux adjustment from 20 to 300 LUX
- Insulation class II
- Consumption in stand-by mode 0,5W
- Dimensions (L x W x H) 60 x 92 x 80 mm

• Head adjustable horizontally and vertically.

1SP SP010
Wall-mounted infrared motion detector - IP 44 - white color

ZERO CROSSING

- Power supply 220÷240V c.a. 50Hz
- Maximum lighting load:
  incandescent lamps 1.000W
  fluorescent lamps (uncompensated) 400W
  fluorescent lamps (compensated in parallel) 220W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP44
- Degree of pollution normal
- Detection angle 180°
- Detection distance max 12 m
- Head swivelling angle 70° horizontal - 35° vertical
- Adjustment of deactivation delay 5" - 12'
- Lux adjustment from 1 to 1.000 LUX
- Insulation class II
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (L x W x H) 65 x 88 x 95 mm

• Possibility of manual override to keep the lights on 4 hours disabling the action of the sensor.

1SP SP015
1SP SP015CL - 1 potential free changeover contact
Ceiling mounted infrared presence detector with "zero crossing" – IP20

ZERO CROSSING

- Power supply 220÷240V c.a. 50Hz
- Maximum lighting load:
  incandescent lamps 2.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP 20
- Degree of pollution normal
- Detection angle 360°
- Detection distance max 12 m
- Adjustment of deactivation delay 2' - 15'
- Lux adjustment from 5 to 1.000 LUX
- Insulation class II
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (DxW) Ø 130 x 70 mm

1SP SP016
Semi-recessed mounted in ceiling infrared presence detector with "zero crossing" – IP 20

ZERO CROSSING

- Power supply 220÷240V c.a. 50Hz
- Maximum lighting load:
  incandescent lamps 2.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP 20
- Degree of pollution normal
- Detection angle 360°
- Detection distance max 16 m
- Adjustment of deactivation delay 5" - 12'
- Lux adjustment from 30 to 200 LUX
- Insulation class II
- Infrared receiver for remote control
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (DxW) Ø 97 x 85 mm

1SP RCSP01 Infrared remote control (option) for detector 1SP SP016

1SP SP020
Recess mounted in ceiling infrared presence detector with "zero crossing" - IP 20

ZERO CROSSING

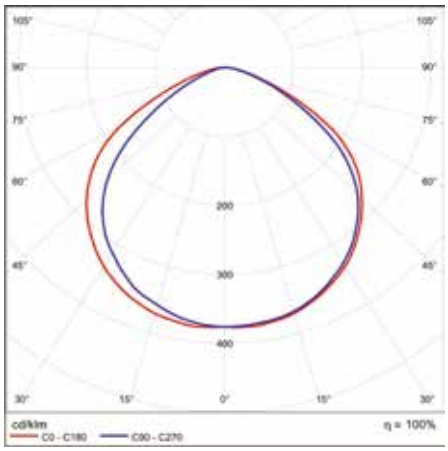
- Power supply 220÷240V c.a. 50Hz
- Diameter installation hole Ø 70mm
- Maximum lighting load:
  incandescent lamps 2.000W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamps
- "ZERO CROSSING" on relay - Contact closure with zero load to increase the connectable load and relay endurance
- Protection degree IP 20
- Degree of pollution normal
- Detection angle 360°
- Detection distance max 14 m
- Adjustment of deactivation delay 10 settings
  5, 10, 20, 40, 80, 160 seconds / 5, 10, 20, 40 minutes
- Lux adjustment from 30 to 200 LUX
- Insulation class II
- CE marking reference standard LVD/EMC EN60669-2-1
- Dimensions (DxW) Ø 79,80 x 91 mm
- Height of lens 18mm

LED LIGHTS / DIMMER

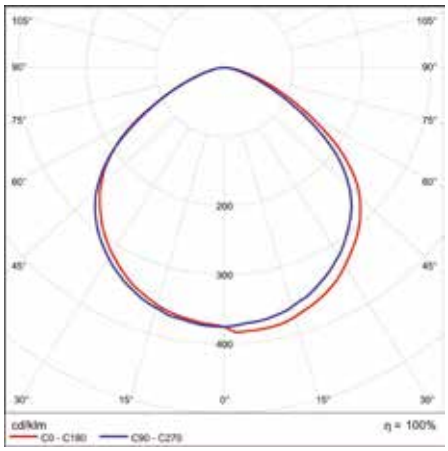
1SP SPF10WB - White color - 10W
1SP SPF10WN - Black color - 10W
1SP SPF20WB - White color - 20W
1SP SPF20WN - Black color - 20W
LED light with motion detector, IP54

- Power supply 220V - 240V 50Hz
- Led power 750 lumen (10W) 1.500 lumen (20W)
- Color temperature 5000K ±250K
- Sensor swivelling angle 60 horizontal, 90° vertical with the lamp
- Detection angle 110°
- Detection distance 8 m
- Time adjustment 8 sec. ÷ 12 min.
- Lux adjustment 30 ÷ 200 LUX
- Operating temperature -10 - +40 °C
- Insulation class I
- Protection degree IP54
- Installation heght between 1,8 and 2,4 m
- Respond to directive CE (EMC/LVD), RoHS, ErP
- Dimensions (L x W x H) 120 x 47,5 x 125 mm (10W)
  160 x 47,5 x 158 mm (20W)

Photometric curve 1SP SPF10W*



Photometric curve 1SP SPF20W*



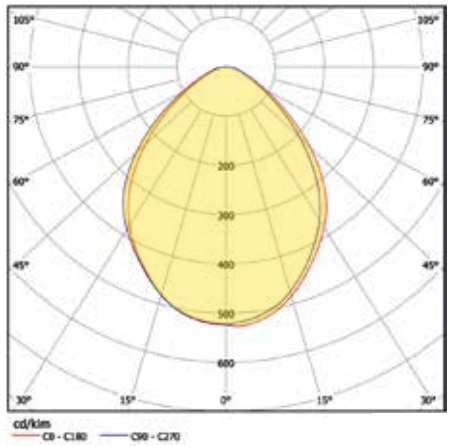
1PA SS01 Watertight box for the wiring of 1SPSPF10W* and 1SPSPF20W* IP65

- **Possibility of manual override to keep the light on 6 hours by disabling the action of the sensor.**

1SP SPF04 LED light with motion detector - 4 LED
1SP FL04 LED light - 4 LED

- Power supply 230V 50Hz
- LED power 13W x 4 - 4.000 lumen
- Equipped with relay for controlling additional loads:
  incandescent lamp 800W
  fluorescent lamps (uncompensated) 480W
  fluorescent lamps (compensated in parallel) 250W
  CFL / LED lamps (230V) 7W ÷ 23W max 8 lamp.
- Detection angle 240°
- Detection distance max 10 m
- Lux adjustment 5 – 1.000 Lux
- Adjustment of deactivation delay 3" - 15'
- Operating temperature -20 - +40 °C
- Insulation class II
- Protection degree IP 55
- Dimensions (L x W x H) 210 x 150 x 340 mm

Photometric curve 1SP SPF04 - 1SP FL04



1MC D002
Dimmer for flush mounting Ø 60 mm round box

- Power supply 230V c.a. ± 10% 50 Hz
- Maximum lighting load:
  Incandescent lamps TE 400W
  Alogen lamps TE 400W
  LED TE 100W
  LED LE 25W
  Electromechanical trasformers L type LE 200W
- P (min-max) 0-200/0-200/0-100/0-25/0-200W
- Button mode: LE or TE
- Max cross-section of wires to terminals: 0,75... 6 mm²
- Protection degree IP 20
- Working temperature from -10°C to +35°C
- Storing temperature from -10°C to +60°C
- CE marking reference standard LVD/EMC DIRECTIVE BT; EMC: 2002/96/EC; 2002/95/EC, EN61000-3-2
- Dimensions (L x W x H) 58,7 x 45 x 25,3 mm

WI-FI TIME SWITCHES

Wi-Fi | App | 15 Programs for every function | 72h Charge reserve | Maintenance of programs without connection | Wi-Fi LED and relay status | Control button Switch ON/OFF

1IO IOWF02
Wi-Fi time switch - 2 DIN

TIMER | RANDOM | COUNTDOWN | CYCLIC | MEMORY

1IO IAWF0102
Astronomical Wi-Fi time switch - 2 DIN

ASTRO | TIMER | MEMORY

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (2) A / 250V c.a.
- Max programs: 15 weekly programs for every function
- ON-OFF minimum connection time: 1 minute
- Visualisation: App
- Max cross-section of wires to terminals: 6 mmq
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: LED
- Charge reserve: min. 72 hours
- Time tolerance: ± 0,5 sec/day
- Operating temperature limits: 0°C +50°C
- Storing temperature: -10°C +65°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: ON/OFF/Reset button on front
- Clock setting accuracy: digital for hours/minutes
- Dimensions (L x W x H) 35 x 60 x 90 mm

1IO IO60WF
Wi-Fi time switch - 60x60 module

- Power supply 230V c.a. +-10% 50/60Hz
- Connection with FASTOM
- Max electric load 16A
- Programmable via App
- Max programs: 15 weekly programs for function
- Front button
- Relay status LED indicator on front
- Dimensions (L x W x H) 60 x 26 x 60 mm

1IO 0057WF
Wi-Fi time switch Italy plug

- Power supply 230V c.a. +-10% 50/60Hz
- Max electric load 16A
- Programmable via App
- Max programs: 15 weekly programs for type
- Front button
- Relay status LED indicator on front
- Dimensions (L x W x H) 56 x 40 x 111 mm

1IO 0057WFF
Wi-Fi time switch France plug

- Power supply 230V c.a. +-10% 50/60Hz
- Max electric load 16A
- Programmable via App
- Max programs: 15 weekly programs for function
- Front button
- Relay status LED indicator on front
- Dimensions (L x W x H) 56 x 40 x 111 mm

1IO 0057WFGB
Wi-Fi time switch UK plug

- Power supply 230V c.a. +-10% 50/60Hz
- Max electric load 13A
- Programmable via App
- Max programs: 15 weekly programs for function
- Front button
- Relay status LED indicator on front
- Dimensions (L x W x H) 56 x 40 x 111 mm

1IO 0057WFD
Wi-Fi time switch Germany plug

- Power supply 230V c.a. +-10% 50/60Hz
- Max electric load 16A
- Programmable via App
- Max programs: 15 weekly programs for function
- Front button
- Relay status LED indicator on front
- Dimensions (L x W x H) 56 x 40 x 111 mm

PROGRAMMING EXAMPLES: one product for all applications

1 WI-FI TIME SWITCH PLUG USE

“Timer” program to feed domestic aquarium fish.

“Timer” program to switching ON/OFF Christmas tree lights.

“Random” program for random switching ON/OFF, useful in case of absence from home to discourage the thieves

“Countdown” program to switching ON/OFF bathroom heater.

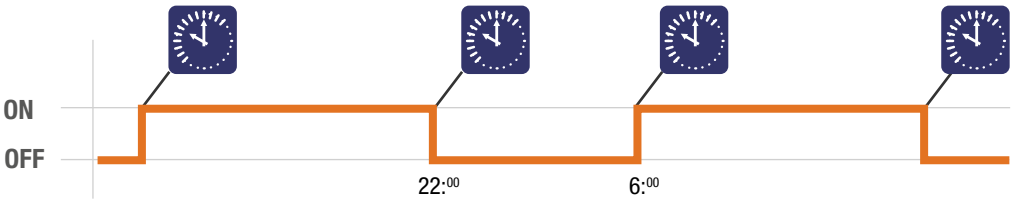
“Timer” program to switchging ON/OFF one or more internal home lights.

Combining a 2DIN time switch allows to program also pool lights.

2 WI-FI TIME SWITCH 2DIN

The combination of several programs allows you to meet even more complex needs such as turning ON/OFF multiple lights using group management.

The example shown was made using several ON/OFF timer programs to manage a store’s interior sign and lights.



DIGITAL TIME SWITCHES

backlit display

1IO 3090 - Daily-yearly - 1 channel
1IO 3091 - Weekly-yearly - 1 channel
1IO 3291 - Weekly-yearly - 2 channels
Menu driven time switch - 2 DIN

1IO 5091S - Weekly-yearly - 1 channel
1IO 5291S - Weekly-yearly - 2 channels
Menu driven time switch with programming key - synchronizable with DCF and/or GPS time signal - 2 DIN

- Power supply 230V c.a. ±10% 50 - 60Hz
- Contact output: limited current NO contact ZERO CROSSING 16 (10) A / 250V a.c.
- Max programs: 64 (matchable in blocks of days)
- ON-OFF minimum connection time: 1 second
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W Fluorescent tube LPs, not compensated 1100W Parallely comp. fluorescent tube LPs 900W (tot capacity 125 µF) Compact, fluorescent LPs 7 W ÷ 23 W (max. 23 lamp.) LED 25 x 4 W / 12 x 8 W / 8 x 15 W
- Max cross-section of wires to terminals: 1 ... 6 mm²
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 6 years
- Type of reserve: LITHIUM battery
- Time tolerance: ± 0,5 sec/day
- Operating temperature limits: 0°C +50°C
- Storing temperature: -10°C +65°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: multifunction keys (menu programming) confirmation key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: automatic
- Programming: menu driven - programs protected in EEPROM
- Dimensions (L x W x H) 35 x 60 x 90 mm

ACCESSORIES

1PR EMD01 "EMD" programming key
External memory to upload / download programs

1PR AUSB01 USB adapter for "EMD" key
USB adapter to connect the "EMD" programming key to the PC and upload programs

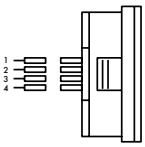
1IO SW001 Programming software for PC
It allows the programming on your computer. The created programs can be saved, sent via e-mail, printed or transferred to the time switch via the "EMD" programming key.

1PA RXDCF77 Time signal receiver from Frankfurt for synchronized time switches

- Power supply 230V a.c. 50/60Hz
- Wall-mounted or pole installation
- BUS output signal
- Protection degree IP 65
- Wiring with shielded cable diameter 7-11mm
- Anti-UV opaline housing
- Wiring with cables up to 2.5 mm²
- Can be connected to max no. 10 time switches
- LED intervention signalling
- Dimensions (L x W x H) 72 x 37.5 x 147 mm

1PA RXGPS01 Satellite GPS time signal receiver for synchronized time switches

- Power supply 230V a.c. 50/60Hz
- Wall-mounted or pole installation
- BUS output signal
- Protection degree IP 65
- Wiring with shielded cable diameter 7-11mm
- Anti-UV opaline housig
- Wiring with cables up to 2.5 mm²
- Can be connected to max no. 10 time switches
- LED intervention signalling
- Dimensions (L x W x H) 72 x 37.5 x 147 mm



Pin 1 VDD (power supply)
Pin 2 relay output 1
Pin 3 relay output 2
Pin 4 GND earth

1IO 1080/M - Daily - 1 channel
1IO 1280/M - Daily - 2 channels
1IO 1081/M - Weekly - 1 channel
1IO 1281/M - Weekly - 2 channels
Digital time switch module with automatic daylight saving time change

backlit display

1IO 7080 - Daily with automatic daylight saving time change - 1 channel
1IO 7081 - Weekly with automatic daylight saving time change - 1 channel
1IO 7281 - Weekly with automatic daylight saving time change - 2 channels
Digital time switch - 2 DIN
1 potential-free changeover contact

1IO 6080 - Daily without daylight automatic saving time change - 1 channel
1IO 6081 - Weekly without daylight automatic saving time change - 1 channel
Digital time switch - 2 DIN
1 potential-free changeover contact

- Power supply 230V c.a. ±20% 50 - 60Hz
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 20 (matchable in blocks of days)
- ON-OFF minimum connection time: 1 second
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3500W
  Fluorescent tube LPs, not compensated 2300W
  Parallely comp. fluorescent tube LPs 700W (tot capacity 35 µF)
  Compact, fluorescent LPs 290W (7 x 15W)
  LED max n° 15 x 4 W / 10 x 8 W / 7 x 15 W
- Max cross-section of wires to terminals: 1 ... 6 mm²
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 0,5 sec/day
- Operating temperature limits: 0°C +50°C
- Storing temperature: -10°C +65°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: multifunction keys (menu programming) confirmation key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: for 4 geographic areas
- Programming: for hours, minutes and seconds
- Dimensions (L x W x H) 35 x 60 x 90 mm

backlit display

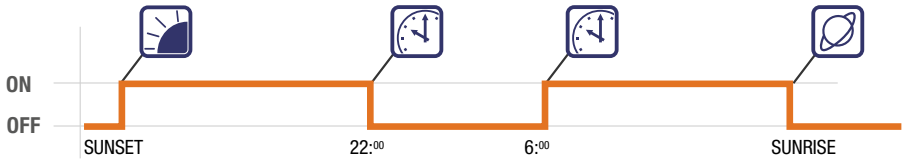
1IO 4091 - 1 channel
1IO 4291 - 2 channels
Astronomical twilight time switch - 2 DIN

UNIQUE ON THE MARKET
Astro-Lux-Time in one product!

- Power supply 230Vc.a.+/-10%, 50Hz
- Contact output: limited current NO contact
  ZERO CROSSING 16 (2) A / 250V a.c.
- Max programs: 45 ON-OFF
- ON-OFF minimum connection time: 1 minute
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W
  Fluorescent tube LPs, not compensated 1100W
  Parallely comp. fluorescent tube LPs 900W (tot capacity 125 µF)
  Compact, fluorescent LPs 7 W ÷ 23 W (max. 23 lamp.)
  LED max n° 25 x 4 W / 12 x 8 W / 8 x 15 W
- Max cross-section of wires to terminals: 1 ... 6 mm²
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 6 years
- Type of reserve: CR2032 replaceable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: -20°C +55°C
- Storing temperature: -30°C +60°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: manual function key ON/OFF
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: euro / free / none
- Programming: for hours and minutes
- Dimensions (L x W x H) 35 x 60 x 90 mm

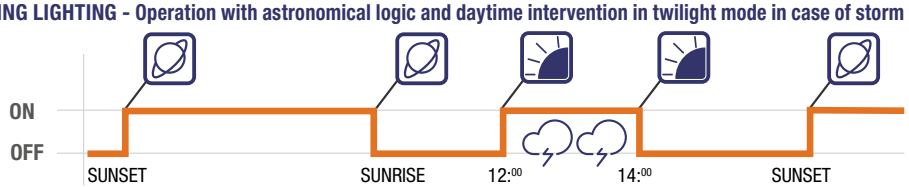
1 **SHOP SIGNBOARD - Operation with twilight / time / Astro logic**

ON TWILIGHT
OFF TIME h 22:00
ON TIME h 6:00
OFF ASTRONOMIC



2 **PUBLIC/SQUARE/PARKING LIGHTING - Operation with astronomical logic and daytime intervention in twilight mode in case of storm**

ON ASTRONOMIC
OFF ASTRONOMIC



ACCESSORIES

1PR EMD01 "EMD" programming key
External memory to upload / download programs

1PR 6092 Outdoor cadmium-free probe
The probe is not included in the packing. it must be purchased separately.

- Installation outdoors on wall and/or pole
- Connection with cables measuring between 0.75 and 2.5 mm²
- Cabling with 4-8 mm shielded cable
- UV-resistant opal housing
- Protection degree IP 65
- Dimensions of sensor (L x W x H) 28 x 48 x 56 mm

DIGITAL TIME SWITCHES

1IO 1070 - Daily
1IO 1071 - Weekly
Digital time switch with automatic standard time / daylight saving time change - 1 DIN

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 96 (1IO 1070) - 672 (1IO 1071)
- ON-OFF minimum connection time: 15 minutes
- Visualisation: ¼" LCD display
- Maximum lighting load: 3500VA (each contact)
  Incandescent LPs 2300W
  Fluorescent tube LPs, not compensated 1000W
  Parallely comp. fluorescent tube LPs 290W (tot capacity 35 µF)
  Compact, fluorescent LPs 105W (7 x 15W)
  LED max n° 15 x 4 W / 10 x 8 W / 7 x 15 W
- Max cross-section of wires to terminals: 1 ... 2.5 mm²
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 0,5 sec/day
- Operating temperature limits: 0°C +50°C
- Storing temperature: -10°C +50°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys, ON/OFF key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: automatic
- Dimensions (L x W x H) 17.5 x 60 x 90 mm

1IO 0022/D15 - Daily
1IO 0024/D15 - Weekly
Digital time switch with tappets and display - 2 DIN

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 96 (1IO 1070) - 672 (1IO 1071)
- ON-OFF minimum connection time: 15 minutes
- Visualisation: 1" LCD circular display
- Maximum lighting load: 3500VA (each contact)
  Incandescent LPs 2300W
  Fluorescent tube LPs, not compensated 1000W
  Parallely comp. fluorescent tube LPs 290W (tot capacity 35 µF)
  Compact, fluorescent LPs 105W (7 x 15W)
  LED max n° 15 x 4 W / 10 x 8 W / 7 x 15 W
- Max cross-section of wires to terminals: 2.5 mm²
- Protection degree: IP20 - IP30 (with terminal covers) IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: 0°C +55°C
- Storing temperature: -10°C +65°C
- Type of installation: DIN rail / wall-mounted / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys, ON/OFF key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: automatic
- Dimensions (L x W x H) 35 x 60 x 128 mm

Note: Art. 0022/D15 - 0024/D15 can be installed in rear of switchboard with accessory 1PA KTMP/2 (option)

1IO 0012D15 - Daily - 72x72
1IO 0016D15 - Weekly - 72x72
1IO 0012D15/M230 - Daily - 60x60 Module
1IO 0012D15/M230 - Weekly - 60x60 Module
Digital time switch with tappets and display

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 96 (daily) - 672 (weekly)
- ON-OFF minimum connection time: 15 minutes
- Visualisation: LCD circular display
- Maximum lighting load: 3500VA (each contact)
  Incandescent LPs 2300W
  Fluorescent tube LPs, not compensated 1000W
  Parallely comp. fluorescent tube LPs 290W (tot capacity 35 µF)
  Compact, fluorescent LPs 105W (7 x 15W)
  LED max n° 15 x 4 W / 10 x 8 W / 7 x 15 W
- Max cross-section of wires to terminals: 2.5 mm²
- Protection degree: IP40 (wall-mounted, on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 15 days
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: 0°C +50°C
- Storing temperature: -10°C +50°C
- Type of installation: wall-mounted / on rear of switchboard / recess mounting
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys, ON/OFF key, reset key
- Clock setting accuracy: digital for hours/minutes
- Dimensions (L x W x H) 72 x 67.5 x 101 mm (72x72)
  60 x 26 x 60 mm (60x60)

Note: Art. 0012D15 - 0016D15 can be installed on rear of switchboard with accessory 1PA SG001 (option)

ELECTROMECHANICAL TIME SWITCHES

1IO 0017 - Daily - Without charge reserve
1IO 0018 - Daily - With charge reserve
1IO 0020 - Weekly - With charge reserve
Time switch with tappets - 72x72

1IO 0017M - Daily - Without charge reserve
1IO 0018M - Daily - With charge reserve
1IO 0020M - Weekly - With charge reserve
Time switch with tappets - 60x60 Module

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (2) A / 250V a.c.
- Max programs: 96 (daily) - 84 (weekly)
- ON-OFF minimum connection time: 15 minutes (daily)
  120 minutes (weekly)
- Visualisation:mechanical tappets ring
- Max commutable power resistive load 3500 W
  inductive load (cosϕ>= 0.6) 500 VA
- Max cross-section of wires to terminals: 1.5 ... 4 mm²
- Protection degree: IP30
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- Charge reserve: 72 hours
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: -10°C +50°C
- Storing temperature: -10°C +50°C
- Type of installation: DIN rail / wall-mounted / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: mechanical tappets, ON / Timer /OFF selector
- Clock indication: only for daily models
- Dimensions (L x W x H) 72 x 48 x 101 mm (72x72)
  60 x 26 x 60 mm (60x60)

Note: Art. 0017 - 0018 - 0020 can be installed on rear of switchboard with accessory 1PA SM72 (option)

1IO 0170 - Daily without charge reserve - 1 DIN
1IO 0171 - Daily with charge reserve - 1 DIN
1IO 0021 - Daily without charge reserve - 2 DIN
1IO 0022 - Daily with charge reserve - 2 DIN
1IO 0024 - Weekly with charge reserve - 2 DIN
Time switch with tappets

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (4) A / 250V a.c.
- Max programs: 48 - 96 (0170 / 0171)
- ON-OFF minimum connection time: 30 minutes (daily)
  15 minutes (0170 / 0171) - 3.5 hours (weekly)
- Visualisation:mechanical tappets ring
- Max commutable power resistive load 3500 W
  inductive load (cosϕ>= 0.6) 1000 VA
- Max cross-section of wires to terminals: 4 mm²
- Protection degree: IP20 - IP30 (with terminal covers)
  IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- Charge reserve: max 150 hours - 100 hours (0171)
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: -10°C +50°C
- Storing temperature: -10°C +50°C
- Type of installation: DIN rail / wall-mounted / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: mechanical tappets
  timer / ON selector (0170/0171)
  ON / Timer /OFF selector
- Clock setting accuracy: mechanical with reference index
- Programming: mechanical key ring (blocks 15' / 120')
- Dimensions (L x W x H) 17.5 x 60 x 128 mm 1 DIN
  35 x 60 x 90 mm 2 DIN

Time switch with tappets with ON/OFF min. 15 minutes
1IO 0031 - Daily without charge reserve - 2 DIN
1IO 0032 - Daily with charge reserve - 2 DIN
1IO 0034 - Weekly with charge reserve - 2 DIN

- Power supply 230V c.a. 50 - 60Hz
- Contact output: 16 (4) A / 250V a.c.
- Max programs: 96
- ON-OFF minimum connection time: 15 minutes (daily)
  105 minutes (weekly)
- Visualisation:mechanical tappets ring
- Max commutable power resistive load 3500 W
  inductive load (cosϕ>= 0.6) 1000 VA
- Max cross-section of wires to terminals: 2.5 mm²
- Protection degree: IP20, IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- Charge reserve: max 150 hours
- Type of reserve: NiMH rechargeable battery
- Time tolerance: ± 1 sec/day
- Operating temperature limits: -10°C +50°C
- Storing temperature: -10°C +50°C
- Type of installation: DIN rail / wall-mounted / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: mechanical tappets
  ON / Timer /OFF selector
- Clock setting accuracy: mechanical with reference index
- Programming: mechanical key ring (blocks 15')
- Dimensions (L x W x H) 35 x 60 x 90 mm

PLUG / SOCKET TIME SWITCHES - ACCESSORIES
STAIRCASE TIMERS

1IO 0055 - Daily - Shuko Germany
1IO 0056 - Weekly - Shuko Germany
1IO 0053 - Daily - plug Italy
1IO 0054 - Weekly - plug Italy
Plug time switch 16 A

- Power supply 230V a.c. 50/60Hz
- Contacts 16 A
- Maximum commutable power 3500 VA
- Minimum intervention interval 15 min
- ON / TIMER control

1PA SG001 Plastic profile for installing 72x72 time switches on rear of switchboard

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1PA KTMP2 Kit for installation of 2 DIN modules on rear of switchboard
Kit including: 2 hooks + finishing front for installing 2 DIN modules on the rear of the switchboard

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1PA KTMP4 Kit for installation of 4 DIN modules on rear of switchboard
Kit including: 2 hooks + finishing front for installing 4 DIN modules on the rear of the switchboard

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1IT 1051
Staircase timer, wall-mounted
Electronic timer switch, can perfectly replace the three-wire electromechanical models made in Germany, Spain, etc

- Power supply 230V a.c. +-10% 50/60Hz
- 1 polarized NO contact output: 16(3) A / 250 V a.c.
- Maximum lighting load: incandescent LPs 2300W
  Fluorescent LPs 290W
  Electronic fluorescent LPs 105W (7 x 15W)
- Adjustable timing from 30 sec at 7 min +/-10%
- Restorable
- Max 30 external START and push buttons (also luminous)
- Fixed light switch
- Wall or panel mounting
- 3-wire connection - cables up to 2.5 mm^2
- Dimensions (L x W x H) 88 x 55 x 110 mm

1IT 1066
Timer switch with multifunction LCD display for an easy and finer adjustment of the functions

- Power supply 230V a.c. 50 / 60Hz
- 1 polarized NO contact output: 16(3) A / 250 V a.c.
- Maximum lighting load: Incandescent LPs 2300W
  Fluorescent LPs 290 W
  Electronic fluorescent LPs 105 W (7 x 15W)
- Adjustable timing from 1 sec at 99 min to 59 sec
- Restorable
- Cleaning function 30min (modifiable from 1min to 99 min)
- Deactivation push from 300 msec to 15 sec
- Max 35 luminous push buttons
- Protection degree IP 40
- Fixed relay key
- Hour counter function for lamp change
- Input status display (open / close)
- Timing shown in the display
- Time scale indicators: h m s
- 3 or 4 wire connection - cables from 1 mm^2 to 2.5 mm^2
- Dimensions (L x W x H) 17.5 x 60 x 90 mm

1IT 1062
Staircase timer 1 DIN

- Power supply 230V a.c. +/- 10%, 50 Hz
- Type of output relay with NO single-pole polarized contact ZERO CROSSING 16A / 250V a.c.
- Maximum lighting load: Incandescent LPs 3600W
  Fluorescent tube LPs, not compensated 1000W
  Parallely comp. fluorescent tube LPs 1000W (tot capacity 140 µF)
- Time adjustment: from 30 seconds to 20 minutes
- Ability to activate stair cleaning function
- Maximum wire section at terminals: 1 mm^2 ÷ 6 mm^2
- Protection degree: IP 20
- Operating temperature limits of module: -10 °C ÷ +55 °C
- Storage temperature limits: -20 °C ÷ +65 °C
- Type of installation: DIN rail
- Maximum current consumption of illuminated pushbuttons 150mA with overload protection
- CE reference standards: LVD/EMC EN60669-2-3 EN60669-2-1
- Dimensions (L x W x H): 17,5 x 60 x 90 mm

1IT 1067
Multifunction staircase timer 1 DIN

- Power supply 230V a.c. +/- 10%, 50 Hz
- Type of output relay with NO single-pole polarized contact ZERO CROSSING 16A / 250V a.c.
- Maximum lighting load: Incandescent LPs 3600W
  Fluorescent tube LPs, not compensated 1000W
  Parallely comp. fluorescent tube LPs 1000W (tot capacity 140 µF)
- Time adjustment: from 30 seconds to 20 minutes
- Switch off warning in the TW and TWI operation modes
- Ability to activate stair cleaning function in the T and TW operation modes
- Maximum wire section at terminals: 1 mm^2 ÷ 6 mm^2
- Protection degree: IP 20
- Operating temperature limits of module: -10 °C ÷ +55 °C
- Storage temperature limits: -20 °C ÷ +65 °C
- Type of installation: DIN rail
- Maximum current consumption of illuminated pushbuttons 150mA with overload protection
- CE reference standards: LVD/EMC EN60669-2-3 EN60669-2-1
- Dimensions (L x W x H): 17,5 x 60 x 90 mm

PHOTOCELL LIGHTING CONTROL SWITCHES

1IC 7242
Photocell lighting control switch for wall-mounting and/or pole installation

- Power supply 230V a.c. 50 / 60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Connection with cables up to 2.5 mm^2
- Wiring with shielded cable diameter 4-9 mm
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 54
- Dimensions (Ø L x W x H) Ø 82 x 97 x 101 mm

1IC 7243
Photocell lighting control switch with replaceable control module for wall-mounting and/or pole installation

Product being particularly suitable to facilitate system maintenance personnel: the control part that can be removed from the base of the contacts allows a quick intervention in the product without disconnecting the load

- Power supply 230V a.c. 50/60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Connection with cables up to 2.5 mm^2
- Wiring with shielded cable diameter 7-11 mm
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 72 x 37.5 x 147 mm

1PR 7243M Spare module for photocell lighting control switch item 7243

- Power supply 230V a.c. 50/60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED Anti-UV opaline housing
- Dimensions (L x W x H) 72 x 37.5 x 80 mm

1IC 7245
Photocell lighting control switch model “FEBO” for wall-mounting and/or pole installation

The factory 10 LUX calibration prevents difficult interventions by the installer

- Power supply 230V a.c. 50 / 60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A/250Va.c.
- Connection with cables up to 2.5 mm^2
- Wiring with shielded cable diameter 7-11 mm
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 55 x 45 x 106 mm

1IC 7051
Photocell lighting control switch with adjustment 2-10.000Lux, 2 DIN

It allows progressively lighting street tunnels

- Power supply 230V a.c. 50 / 60Hz DIN assembly plus outdoor probe
- Output 1 changeover contact, potential-free: 16 (2) A / 250V a.c.
- Connection with cables up to 2.5 mm^2
- Adjustment range 2-100 / 2-1000 / 2-10.000 Lux (3 scales)
- Activation delay 8 sec ± 10%
- Deactivation delay 38 sec ± 10%
- Threshold calibration signalling LED
- Operation signalling LED Intervention threshold adjustment trimmer
- Dimensions DIN (L x W x H) 35 x 60 x 90 mm

EXTERNAL PROBE

- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions of the probe (L x W x H) 28 x 48 x 56 mm

1IC 7052
Photocell lighting control switch with adjustment 2-200 Lux, 2 DIN

Provided with hysteresis and activation / deactivation delays to prevent false switching

- Power supply 230V a.c. 50 / 60Hz DIN assembly plus outdoor probe
- Output 1 changeover contact, potential-free: 16 (2) A / 250V a.c.
- Connection with cables up to 2.5 mm^2
- Adjustment range 2-200 Lux adjustable
- Activation delay 8 sec ± 10%
- Deactivation delay 38 sec ± 10%
- Threshold calibration signalling LED
- Operation signalling LED Intervention threshold adjustment trimmer
- Dimensions DIN (L x W x H) 35 x 60 x 90 mm

EXTERNAL PROBE

- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions of the probe (L x W x H) 28 x 48 x 56 mm

PHOTOCELL LIGHTING CONTROL SWITCHES

1IC 7053N
Photocell lighting control switch with adjustment 0÷1.000 lux - 1 DIN
High performance with minimum dimensions for controlling inductive loads like fluorescent lamps or LEDs

- Power supply: 230V a.c. +/- 10%, 50 Hz
- Type of output: relay with NO potential free contacts (Cadmium free) 16A / 250V a.c. with zero crossing
- Maximum wire section at terminals: 1 mm² ÷ 6 mm²
- Threshold intervention (lux) adjustment: 0÷1.000 Lux
- Double adjustment scale
- Selector for operating mode selection:
  -always ON
  -always OFF
  - Threshold adjustment: 0÷100 Lux
  - Threshold adjustment: 0÷1.000 Lux
- Trimmer for setting threshold adjustment
- Delay in switching on / off to avoid false switching:
  ON delay: 15 seconds
  OFF delay: 30 seconds
- LED operating status
- Cadmium free relay
- Dimensions module (L x W x H): 17,5 x 60 x 90 mm

EXTERNAL PROBE
- Probe with Cadmium free precision photodiode sensor anti-UV opaline housing
- Protection degree IP 65
- Dimensions probe (L x W x H): 28 x 48 x 56 mm

backlit display

1IC 7054 - 1 channel
1IC 7254 - 2 channels
"Lux-Time" twilight time switch - 2 DIN
External probe IP 65 included.

- Power supply 230V c.a. ±10% 50Hz
- Contact output: limited current NO contact ZERO CROSSING 16 (2) A / 250V a.c.
- Max programs: 45
- ON-OFF minimum connection time: 1 minute
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W
  Fluorescent tube LPs, not compensated 1100W
  Parallely comp. fluorescent tube LPs 900W (tot capacity 125 µF)
  Compact, fluorescent LPs 7 W ÷ 23 W (max. 23 lamp.)
  LED 25 x 4 W / 12 x 8 W / 8 x 15 W
- Max cross-section of wires to terminals: 6 mm²
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II ⧈
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 6 years
- Type of reserve: CR2032 replaceable battery
- Time tolerance: ± 0,5 sec/day
- ON / OFF delay adjustable 1 sec / 59 min
- Operating temperature limits: -20°C +60°C
- Storing temperature: -30°C +80°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys and ON/OFF key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: 4 geographic areas
- Dimensions (L x W x H) 35 x 60 x 90 mm

ACCESSORIES

1PR EMD01 "EMD" programming key
External memory to upload / download programs

1PR 6092 Outdoor spare cadmium free probe for DIN photocell lighting control switch 1IC 7053N, 1IC 7052, 1IC 7054, 1IC 7254 (production XX/19)

- Outdoor wall-mount and / or pole installation
- Connection with cables from 0.75 mm² to 2.5 mm²
- Wiring with shielded cable diameter 4-8 mm
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 28 x 48 x 56 mm

1PR 6093 Outdoor spare cadmium free probe for DIN photocell lighting control switch 1IC 7051 (production XX/19)

- Outdoor wall-mount and / or pole installation
- Connection with cables from 0.75 mm² to 2.5 mm²
- Wiring with shielded cable diameter 4-8 mm
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 28 x 48 x 56 mm

1GA 47917MET/P - Natural gas CH4
1GA 47917GPL/P - LPG
"ZEFIRO" series wall-mounted and / or Semi-recessed detector with BUS output

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250Va.c.
- Microprocessor with fume selection program to prevent false alarms
- Microprocessor with timer to signal product service every 5 years
- Remote sensor recognition (BUS system)
- Digital BUS output for signaller control (max 15)
- Interconnection length max 800m (2 x 1.5 mm^2)
- Alarm memory
- ON / TEST selector
- Self-diagnosis test
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas concentration LED on 3 signalling levels
- Intervention level: 5.000 ppm 10% LIE (CH4) 1.860 ppm 10% LIE (LPG)
- Wall-mounted IP 42
- Dimensions (L x W x H) 120 x 40 x 82 mm
- Semi-recessed installation with accessory IP 40
- Dimensions (L x W x H) 120 x 27.5 x 82 mm

1GA 48917MET/P - Natural gas CH4
1GA 48917GPL/P - LPG
"ZEFIRO" series wall-mounted and / or Semi-recessed signaller with BUS input series

- Power supply 230V a.c. 50-60Hz
- Microprocessor with fume selection program to prevent false alarms
- Microprocessor with timer to signal product service every 5 years
- Digital BUS input
- Alarm memory
- ON / TEST selector
- Self-diagnosis test
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas concentration LED on 3 signalling levels
- Intervention level: 5.000 ppm 10% LIE (CH4) 1.860 ppm 10% LIE (LPG)
- Wall-mounted IP 42
- Dimensions (L x W x H) 120 x 40 x 82 mm
- Semi-recessed installation with accessory IP 40
- Dimensions (L x W x H) 120 x 27.5 x 82 mm

1GA 50917MET/P - Natural gas CH4
1GA 50917GPL/P - LPG
"ZEFIRO" series wall-mounted and / or Semi-recessed detector with BUS output

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 8 (2) A / 250Va.c.
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas presence indicator LED
- Intervention level: 5.000 ppm 10% LIE (CH4) 1.860 ppm 10% LIE (LPG)
- Wall-mounted IP 42
- Dimensions (L x W x H) 120 x 40 x 82 mm
- Semi-recessed installation with accessory IP 40
- Dimensions (L x W x H) 120 x 27.5 x 82 mm

1GA 51917MET/P - Natural gas CH4
1GA 51917GPL/P - LPG
"ZEFIRO" series wall-mounted and / or Semi-recessed natural gas (CH4) signaller

- Power supply 230V a.c. 50-60Hz
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas presence indicator LED
- Signalling level: 5.000 ppm 10% LIE 1.860 ppm 10% LIE (LPG)
- Wall-mounted IP 42
- Dimensions (L x W x H) 120 x 40 x 82 mm
- Semi-recessed installation with accessory IP 40
- Dimensions (L x W x H) 120 x 27.5 x 82 mm

1PA BSGA01 Base for "ZEFIRO" series semi-recessed installation
Base for semi-recessed installation in boxes: round and/or rectangular

1GA 50916/CHCO
Wall-mounted carbon monoxide (CO) and natural gas (CH4) detector

The detector can detect two gases: natural gas (CH4) and carbon monoxide (CO)
Intervention sensitivity:
- natural gas at 10% of the lower explosion limit
- carbon monoxide, when the maximum allowed 300ppm CO concentration is exceeded, or rather in case low but damaging concentrations 30ppm for 2 hours persist for long periods in the premises.

- Power supply 230V a.c. 50-60Hz
- 2 potential-free changeover contacts output: 5 (2)A / 250Va.c.
- Natural gas catalytic sensor
- Natural gas intervention level 5000 ppm 10% LIE
- Semi-conductor sensor for CO
- CO intervention level 30 / 300 (30ppm after 2 hours – 300ppm immediately)
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas presence indicator LED (2 different)
- Protection degree IP 42
- Dimensions (L x W x H) 115 x 50 x 150 mm

1GA 50916/CO
Wall-mounted carbon monoxide (CO) detector

Intervention sensitivity to carbon monoxide, when the maximum allowed 300ppm CO concentration is exceeded, or rather in case low but damaging concentrations 30ppm for 2 hours persist for long periods in the premises.

- Power supply 230V a.c. 50-60Hz
- 1 potential-free changeover contact output: 5 (2) A / 250Va.c.
- Semi-conductor sensor for CO
- CO intervention level 30 / 300 (30ppm after 2 hours – 300ppm immediately)
- Signalling buzzer 85dB at 1m
- ON indicator LED
- Fault indicator LED
- Gas presence indicator LED
- Protection degree IP 42
- Dimensions (L x W x H) 115 x 50 x 150 mm

KITS

1GA 50917MET/1.2
Wall-mounted natural gas detector kit with 1/2” NO solenoid valve

Kit including:
no. 1 1GA 50917MET/P with no. 1 1EV EV020

1GA 50917GPL/1.2
Wall-mounted LPG gas detector kit with 1/2” NO solenoid valve

Kit including
no. 1 1GA 50917GPL/P with no. 1 1EV EV020

1GA 50917MET/3.4
Wall-mounted natural gas detector kit with 3/4” NO solenoid valve

Kit including
no. 1 1GA 50917MET/P with no. 1 1EV EV021

1GA 50917GPL/3.4
Wall-mounted LPG gas detector kit with 3/4” NO solenoid valve

Kit including
no. 1 1GA 50917GPL/P with no. 1 1EV EV021

1GA 100M - 1 zone
1GA 300M - 3 zones
Control unit for wall or panel installation

Microprocessor control units to create a complete supervision and control system, with high flexibility. Equipped with a series of micro switches through which it is possible: to eliminate the probe when not installed or faulty, detect which type of gas (Toxic or Explosive), choose the functioning of the relay (pulses or continuous), choose the insertion or deactivation of Positive Safety

- Power supply 230V a.c. 50Hz Battery-operated secondary power supply 12V d.c. ±10%
- Pre-alarm output relay in exchange
- Output relay ON / OFF
- 1st alarm set for all the probes at 8% of the L.E.L. (120ppm)
- 2nd alarm set for all the probes at 13% of the L.E.L. (200ppm)
- General alarm set at 20% of the L.E.L. (300ppm)
- 1 connectable probe of type: catalytic, electrochemical, semiconductor
- Analogic input signal 4mA ÷ 20Ma
- Accuracy 1% FS
- Working temperature -10 ° C - + 60 ° C
- Max probe distance 100m
- TEST command
- Protection degree IP 44
- Variable color display according to work status (1GA300M)
- Dimensions (L x W x H) 144 x 108 x 114 mm

1GA 2001
1-zone control unit for toxic and explosive gases - 6 DIN

Microprocessor control unit manufactured to remotely control the presence of explosive or toxic gases by means of a probe. Precise self-diagnosis systems perform a continuous control of probe conditions and connection.

- Power supply 230V a.c. 50Hz ±10% Battery-operated secondary power supply 12V d.c. ±10%
- 3 potential-free contact outputs: 10A 250 V a.c. resistive - 5A 30V d.c. resistive
- Pre-alarm 13% of LIE explosive gases and 200ppm for CO
- Alarm 20% of LIE explosive gases and 300ppm for CO
- 1 connectable probe, type: catalytic, electrochemical cell, pellistor, semiconductor
- Analogue input signal 4 mA ÷ 20 mA
- Max probe distance 100m
- RESET and TEST controls
- Signalling buzzer
- Operation status indicator LED
- Gas type indicator LED
- Main alarm and pre-alarm indicator LED
- Gas concentration indicator LED with thresholds
- Dimensions (L x W x H) 105 x 58 x 90 mm

1GA 2002
2-zones control unit for toxic and explosive gases - 6 DIN

Microprocessor control unit manufactured to remotely control the presence of explosive and/or toxic gases by means of probes. Precise self-diagnosis systems perform a continuous control of probe conditions and connection.

- Power supply 230V a.c. 50Hz ±10% Battery-operated secondary power supply 12V d.c. ±10%
- 3 potential-free contact outputs: 10A 250 V a.c. resistive - 5A 30V d.c. resistive
- Pre-alarm 13% of LIE explosive gases and 200ppm for CO
- Alarm 20% of LIE explosive gases and 300ppm for CO
- 2 connectable probes, type: catalytic, electrochemical cell, pellistor, semiconductor
- Analogue input signal 4 mA ÷ 20 mA
- Max probe distance 100m
- RESET and TEST controls
- Signalling buzzer
- Operation status indicator LED
- Gas type indicator LED
- Main alarm and pre-alarm indicator LED
- Gas concentration indicator LED with thresholds in each zone
- Dimensions (L x W x H) 105 x 58 x 90 mm

1GA 2004
4-zones control unit for toxic and explosive gases - 9 DIN

Microprocessor control unit manufactured to remotely control the presence of explosive and/or toxic gases by means of probes. Precise self-diagnosis systems perform a continuous control of probe conditions and connection.

- Power supply 230V a.c. 50Hz ±10% Battery-operated secondary power supply 12V d.c. ±10%
- 3 potential-free contact outputs: 10A 250 V a.c. resistive - 5A 30V d.c. resistive
- Pre-alarm 13% of LIE explosive gases and 200ppm for CO
- Alarm 20% of LIE explosive gases and 300ppm for CO
- 4 connectable probes, type: catalytic, electrochemical cell, pellistor, semiconductor
- Analogue input signal 4 mA ÷ 20 mA
- Max probe distance 100m
- RESET and TEST controls
- Signalling buzzer
- Operation status indicator LED
- Gas type indicator LED
- Main alarm and pre-alarm indicator LED
- Display that shows the gas concentration in sequence for each zone
- Continuous 2” scanning in each probe
- Dimensions (L x W x H) 158 x 58 x 90 mm

1GA 4200MET - Natural gas CH4
1GA 4200GPL - LPG
Catalytic sensor - IP55

Microprocessor probe with AUTOMATIC calibration and self-diagnosis to adapt to harsh environments and variable temperatures to prevent false alarms due to irregular events.

- Power supply 12-24V d.c. +/- 10%
- Catalytic sensor for NATURAL gas (4200MET) or LPG (4200GPL) having a duration of 5 years
- Detector measurement field 0÷20% LIE
- Analogue output signal 4 mA ÷ 20 mA
- Replaceable sensor
- Protection degree IP 55
- Max control unit distance 100m
- Probe body material: self-extinguishing ABS
- Working temperature limit -10°C +40°C
- LED indicator: gree regular, yellow warning, red alarm
- Dimensions (L x W x H) 75 x 58 x 114 mm

1GA 4200MET/A - Natural gas CH4
1GA 4200GPL/A - LPG
Catalytic sensor housing made in die-cast aluminium - IP66

Microprocessor probe with AUTOMATIC calibration and self-diagnosis to adapt to harsh environments and variable temperatures to prevent false alarms due to irregular events.

- Power supply 12-24V d.c. +/- 10%
- Catalytic sensor for NATURAL gas (4200MET/A) or LPG (4200GPL/A) having a duration of 5 years
- Detector measurement field 0÷20% LIE
- Analogue output signal 4 mA ÷ 20 mA
- Replaceable sensor
- Protection degree IP 66
- Max control unit distance 100m
- Probe body material: aluminium
- Working temperature limit -10°C +40°C
- Dimensions (L x W x H) 100 x 60 x 100 mm

1GA 4400CO
CO Sensor - IP 55

Microprocessor probe to detect TOXIC GASES, such as carbon monoxide, with self-diagnosis. It is used when the maximum allowed 300ppm CO concentration is exceeded, or rather in case low but damaging concentrations 30ppm for 2 hours persist for long periods in the premises.

- Power supply 12-24V d.c. +/- 10%
- Electrochemical cell
- Catalytic sensor for LPG gas having a duration of 5 years
- Detector measurement field 0÷20% LIE
- Analogue output signal 4 mA ÷ 20 mA
- Replaceable sensor
- Alarm 300 ppm
- Protection degree IP 55
- Max control unit distance 100m
- Probe body material: aluminium
- Working temperature limit -20°C +50°C
- Power supply indicator LED
- Dimensions (L x W x H) 78 x 58 x 114 mm

1GA 4400CO/A
CO Sensor housing made in die-cast aluminium - IP 66

Microprocessor probe to detect TOXIC GASES, such as carbon monoxide, with self-diagnosis. It is used when the maximum allowed 300ppm CO concentration is exceeded, or rather in case low but damaging concentrations 30ppm for 2 hours persist for long periods in the premises.

- Power supply 12-24V d.c. +/- 10%
- Electrochemical cell
- Catalytic sensor for LPG gas having a duration of 5 years
- Detector measurement field 0÷20% LIE
- Analogue output signal 4 mA ÷ 20 mA
- Replaceable sensor
- Alarm 300 ppm
- Protection degree IP 66
- Max control unit distance 100m
- Probe body material: aluminium
- Working temperature limit -20°C +50°C
- Dimensions (L x W x H) 100 x 60 x 100 mm

1GA 895MET - Natural gas CH4
1GA 895GPL - LPG
ATEX explosion-proof probe

ATEX certified gas detection probe with control prerogative with catalytic technology sensors for explosive and toxic gas. Probe managed by a microprocessor that provides an alarm signal to the control panel to which it is connected and allows self-diagnosis and automatic calibration, to maintain maximum detection accuracy over time. The self-calibration allows the probe to adapt in harsh environments and at variable temperatures, avoiding false alarms due to abnormal events.

II 2 GD Ex d tD IIC
T6 X -10 < T amb
<+60°C

- Power supply 12-24V d.c. +/- 10%
- Catalytic sensor
- Replaceable sensor
- Detector measurement field 0÷20%
- Analogue output signal 4 mA ÷ 20 mA
- Protection degree IP 66
- Max control unit distance 100m
- Probe body material: aluminium
- Working temperature limit -10°C +60°C
- Dimensions (L x W x H) 100 mm

ACCESSORIES

1GA HE55ES Replacement sensor IP 55 for 1GA 4200MET, 1GA 4200GPL, 1GA 4400CO

1GA HE66ES Replacement sensor IP 66 for 1GA 4200MET/A, 1GA 4200GPL/A, 1GA 4400CO/A

1GA HEATES Replacement sensor for 1GA 895MET e 1GA 895GPL

1GA 6010
Optical smoke detector

- Power supply 12-24V c.c. ±10%
- Low profile 3,2 cm
- Mounting on universal base ready for 16 mm tubes
- LED optical detector output
- Functional test by laser test tool method
- Internal reed functional test
- Dual LED status indicators (alarm / fault)
- EN 54 Certification part 7/9
- Protection degree IP20
- Overall dimensions (with base) mm Ø 102 x 43 mm

1GA 6020
Fixed temperature sensor 78 °C

- Reaching the temperature of +78°C the alarm rings
- Power supply 12-24V c.c. ±10%
- Low profile
- Bicolor LED to signal the installation status
- Functional test by laser test tool method
- Mounting on universal base ready for 16 mm tubes
- Internal reed functional test
- Dual LED status indicators (alarm / fault)
- EN 54 Certification part 7/9
- Protection degree IP20
- Dimensions (with base) Ø 102 x 43 mm

1GA 6030
Combined detector with constant feed temperature

- The alarm rings when there is a too quick increase of the temperature
- Power supply 12-24V c.c. ±10%
- Low profile
- Bicolor LED to signal the installation status
- Functional test by laser test tool method
- Mounting on universal base ready for 16 mm tubes
- Internal reed functional test
- Dual LED status indicators (alarm / fault)
- EN 54 Certification part 7/9
- Protection degree IP20
- Dimensions (with base) Ø 102 x 43 mm

1PA BRA01 Fixing base

SEGNALLERS

1GA 6150
Fire siren piezoelectric optical-acoustic for indoor installation

- Power supply 12-24V c.c.
- Indoor piezoelectric optical-acoustic fire siren
- Flashing with FIRE writing
- Red ABS container
- 90 dB power, with three types of sound modulation type: siren, bell and pre-alarm
- EN 54-3 CPD certification

1GA 6160
Self powered fire siren for outdoor installation

- Self-powered outdoor fireproof siren
- Steel container with lid in red polycarbonate
- Power 115 dB
- 12V 2Ah battery housing (not included)
- 24V DC power supply
- EN 54-3 certification

1GA 6170
Fire bell

- Badenia electromechanical fire extinguishing 6 “red color complete with bracket for fixing
- 24V DC power supply
- EN 54-3 certification

1GA 6180
Resettable manual fire button for conventional systems

- Resettable manual fire button for conventional systems complete with key for rearmament
- Transparent protection cover
- Red surface mounting bracket
- EN 54-11 CPD certification

1PA BPA01 Wall base for fire button 6180

- Support for red color surface mounting
- EN 54-11 CPD certification

1PA BSA01 Replacement batteries for fire siren 6160

- Nominal voltage 12V
- Nominal capacity 2Ah
- Maximum charging current 0,5A
- Dimensions (L x W x H) 178 x 34 x 60 mm

GAS SOLENOID VALVES, with manual reset NORMALLY CLOSED N.C.

This solenoid valve is made in such a way as to ensure the gas shut-off for both danger signals sent by gas detectors (methane, LPG, carbon monoxide, and others) or safety thermostats, or for power failure in the network (black out). For added security this solenoid valve can be reset only in the presence of mains voltage and only when the gas detector is not detecting any danger.
Simply powering the coil the valve does not open. You need to act manually on the reset mechanism.

CE APPROVAL IN ACCORDANCE WITH EN 16 1

COMPLIANCE DIRECTIVE 2009 / 142 / EC (GAS DIRECTIVE)

6 BAR VERSION COMPLIANT WITH DIRECTIVE 97 / 23 / EC (PED DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 94 / 9 / EC (ATEX DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 2004 / 108 / EC (ELECTROMAGNETIC COMPATIBILITY)

COMPLIANCE WITH DIRECTIVE 2006 / 95 / EC (LOW VOLTAGE)

1EV EV040	N.C. ½" Solenoid valve DN15 threaded 230V 50-60 Hz brass body int. 66
1EV EV041	N.C. ¾" Solenoid valve N.C. DN20 threaded 230V 50-60 Hz brass body int. 66
1EV EV042	N.C. 1"Solenoid valve DN25 threaded 230V 50-60 Hz brass body int. 82
1EV EV045	N.C. 1"¼ Solenoid valve DN32 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV043	N.C. 1"½ Solenoid valve DN40 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV044	N.C. 2" Solenoid valve DN50 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV060	N.C. Solenoid valve DN65 flanged 230V 50-60 Hz aluminium body int. 290
1EV EV061	N.C. Solenoid valve DN80 flanged 230V 50-60 Hz aluminium body int. 310
1EV EV062	N.C. Solenoid valve DN100 flanged 230V 50-60 Hz aluminium body int. 350
1EV EV063	N.C. Solenoid valve DN125 flanged 230V 50-60 Hz aluminium body int. 480
1EV EV064	N.C. Solenoid valve DN150 flanged 230V 50-60 Hz aluminium body int. 480
1EV EV065	N.C. Solenoid valve DN200 flanged 230V 50-60 Hz aluminium body int. 600
1EV EV066	N.C. Solenoid valve DN300 flanged 230V 50-60 Hz aluminium body int. 737

GAS SOLENOID VALVES, with automatic reset NORMALLY CLOSED N.C. in Class "A"

Solenoid valves for gas, normally closed which open when the coil is powered and close when there is no power. These solenoid valves may be controlled by pressure switches, thermostats, etc.

CE APPROVAL IN ACCORDANCE WITH EN 16 1

COMPLIANCE DIRECTIVE 2009/142 / EC (GAS DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 94/9 / EC (ATEX DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 2004 / 108 / EC (ELECTROMAGNETIC COMPATIBILITY)

COMPLIANCE WITH DIRECTIVE 2006 / 95 / EC (LOW VOLTAGE)

1EV EV005	N.C. ½" solenoid valve DN15 threaded 230V 50-60 Hz aluminium body int. 70
1EV EV006	N.C. ¾" solenoid valve DN20 threaded 230V 50-60 Hz aluminium body int. 70
1EV EV007	N.C. 1" solenoid valve DN25 threaded 230V 50-60 Hz aluminium body int. 90
1EV EV017	N.C. 1" ¼ solenoid valve DN32 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV008	N.C. 1" ½ solenoid valve DN40 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV009	N.C. 2" solenoid valve DN50 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV010	N.C. solenoid valve DN65 flanged 230V 50-60 Hz aluminium body int. 290
1EV EV011	N.C. solenoid valve DN80 flanged 230V 50-60 Hz aluminium body int. 310
1EV EV012	N.C. solenoid valve DN100 flanged 230V 50-60 Hz aluminium body int. 350

GAS SOLENOID VALVES, with manual reset NORMALLY OPEN N.O.

The operation principle of the N.O. solenoid valves is very simple and therefore extremely safe. The electromagnetic coil, when powered, releases the valve closing device which is normally open.
The reset is manual to check the causes for gas detection.
During normal operation there is no power consumption, and therefore, in addition to energy saving, no component is subjected to usury.

6 BAR VERSION COMPLIANT WITH DIRECTIVE 97 / 23 / EC (PED DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 94 / 9 / EC (ATEX DIRECTIVE)

COMPLIANCE WITH DIRECTIVE 2004 / 108 / EC (ELECTROMAGNETIC COMPATIBILITY)

COMPLIANCE WITH DIRECTIVE 2006 / 95 / EC (LOW VOLTAGE)

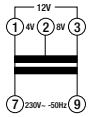
1EV EV020	N.O. ½" solenoid valve DN15 threaded 230V 50-60 Hz brass body int. 66
1EV EV021	N.O. ¾" solenoid valve DN20 threaded 230V 50-60 Hz brass body int. 66
1EV EV022	N.O. 1" solenoid valve DN25 threaded 230V 50-60 brass body int. 82
1EV EV027	N.O. 1" ¼ solenoid valve DN32 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV023	N.O. 1" ½ solenoid valve DN32 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV024	N.O. 2" solenoid valve DN40 threaded 230V 50-60 Hz aluminium body int. 160
1EV EV025	N.O. solenoid valve DN65 flanged 230V 50-60 Hz aluminium body int. 280
1EV EV026	N.O. solenoid valve DN80 flanged 230V 50-60 Hz aluminium body int. 310

INTERMITTENT SERVICE TRANSFORMERS

1TD TR10SI/QOD 10VA transformer for intermittent service, outputs 4-8-12V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V

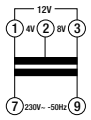
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm



1TD TR15SI/QOD 15VA transformer for intermittent service, outputs 4-8-12V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V

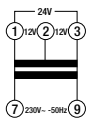
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm



1TD TR15SI/DDV 15VA transformer for intermittent service, outputs 12-12-24V 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V

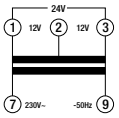
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm



1TD TR30SI/DDV 30VA transformer for intermittent service, outputs 12-12-24V - 3 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V

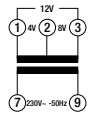
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 90 mm



1TD TR01402/N 10VA transformer for intermittent service, outputs 4-8-12V, wall-mounted

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Wall-mounted IP 30

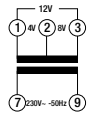
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 128 mm



1TD TR01403/N 15VA transformer for intermittent service, outputs 4-8-12V, wall-mounted

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Wall-mounted IP 30

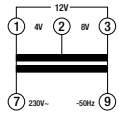
Installation on rear of switchboard IP40
Dimensions (L x W x H) 35 x 60 x 128 mm



1TD TR01409/N 20VA transformer for intermittent service, outputs 4-8-12V, wall-mounted

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Wall-mounted IP30

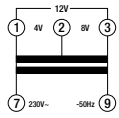
Installation on the rear of the
switchboard IP40
Dimensions (L x W x H) 52.5 x 60 x 128 mm



1TD TR01404/N 25VA transformer for intermittent service, outputs 4-8-12V, wall-mounted

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Wall-mounted IP 30

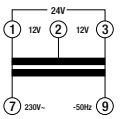
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 128 mm



1TD TR01435/N 40VA transformer for intermittent service, outputs 12-12-24V, wall-mounted

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Wall-mounted IP 30

Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 128 mm



CONTINUOUS SERVICE TRANSFORMERS

1TD TR010/QOD 10VA transformer for continuous service, outputs 4-8-12V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm

1TD TR010/DDV 10VA transformer for continuous service, outputs 12-12-24V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm

1TD TR015/QOD 15VA transformer for continuous service, outputs 4-8-12V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 4-8-12V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm

1TD TR015/DDV 15VA transformer for continuous service, outputs 12-12-24V - 2 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 35 x 60 x 90 mm

1TD TR024/DDV 24VA transformer for continuous service, outputs 12-12-24V - 3 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 90 mm

1TD TR030/DDV 30VA transformer for continuous service, outputs 12-12-24V - 3 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 90 mm

1TD TR040/DDV 40VA transformer for continuous service, outputs 12-12-24V - 3 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on terminal board IP 20
Wall-mounted IP 30
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 52.5 x 60 x 90 mm

1TD TR063/DDV 63VA transformer for continuous service, outputs 12-12-24V - 6 DIN

Power supply 230V a.c. – 50Hz
Outputs 12-12-24V
Installation on terminal board IP 20
Wall-mounted IP 30
Installation on rear of switchboard IP 40
Dimensions (L x W x H) 105 x 60 x 90 mm

ACCESSORY

1PA KTM02 Kit with base + terminal covers for 2 DIN transformers

1PA KTM03 Kit with base + terminal covers for 3 DIN transformers

1PA KTM06 Kit with base + terminal covers for 6 DIN transformers

CHIMES, DIN DON, BUZZERS

1SU 4341 - 12V
1SU 4351 - 230V
Shrill chime

- Power supply 12V a.c. (4341) - 230V a.c. (4351)
- Wall-mounted / semi-recessed installation in a round box
- Dimensions (D x W) 80 x 44 mm

1SU 4491 - 12V
1SU 4481 - 230V
1SU 4411 - 12-230V
Din Don

- Power supply 12V a.c. (4491) - 230V (4481) 12-230V a.c. (4411)
- Wall-mounted / semi-recessed installation in a round box
- Dimensions (L x W x H) 150 x 47 x 92 mm

1SU 4421 - 230V
1SU 4431 - 12V
Din Don with buzzer

- Power supply 230V a.c. (4421) - 12V a.c. (4431)
- Wall-mounted / semi-recessed installation in a round box
- Dimensions (L x W x H) 150 x 47 x 92 mm

1SU 4441
Din Don 12V with buzzer 12V and transformer 230-12V for low voltage control

- Power supply 230V a.c.
- Wall-mounted / semi-recessed installation in a round box
- Dimensions (L x W x H) 150 x 47 x 92 mm

1SU RZ230/1 - 230V
1SU RZ12/1 - 12V
Buzzer - 1 DIN

- Power supply 230V a.c. ±10% 50-60Hz (RZ230/1) 12V a.c. (RZ12/1)
- Sound power of the buzzer 80 dB at 1 m
- Consumption 10VA (RZ230/1) - 5VA (RZ12/1)
- Intermittent operation
- Protection degree IP 20 IP 40
- Dimensions (L x W x H) 17.5 x 63 x 85 mm

1SU SU230/1 - 230V
1SU SU12/1 - 12V
Chime - 1 DIN

- Power supply 230V a.c. ±10% 50-60Hz (SU230/1) 12V a.c. (SU12/1)
- Sound power of the chime 84 dB at 1 metre
- Consumption 10VA (SU230/1) - 5VA (SU12/1)
- Intermittent operation
- Protection degree IP 20 IP 40
- Dimensions (L x W x H) 17.5 x 63 x 85 mm

1SU TRSU/2
Transformer with chime 230V a.c. - 2 DIN

- Power supply 230V a.c. ±10% 50Hz
- Secondary voltage 24V a.c.
- Power in the secondary 24V 6,1VA
- Sound power of the chime 80 dB at 1 metre
- Intermittent operation
- Protection degree IP20 IP40
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SU TRRZ/2
Transformer with buzzer 230V a.c. - 2 DIN

- Power supply 230V a.c. ±10% 50Hz
- Secondary voltage 24V a.c.
- Power in the secondary 24V 6,1VA
- Sound power of the buzzer 70 dB at 1 metre
- Intermittent operation
- Protection degree IP 20 IP 40
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SU SUE/2
Electronic 3-tone chime 230V a.c. - 2 DIN

- Power supply 230V a.c. ±10% 50-60Hz
- Driving with button in low voltage
- 3 different sounds: din din bell, buzzer, siren
- 3 different inputs
- Sound power of the chime 80 dB at 1 metre
- Intermittent operation
- Protection degree IP 20 IP 40
- Dimensions (L x W x H) 35 x 63 x 85 mm

ELECTROMECHANICAL STEP RELAYS

1RI 0112AC/I
Electromechanical step relay 12V a.c.

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 1 contact 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm

1RI 0124AC/I
Electromechanical step relay 24V a.c.

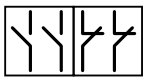
- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 1 contact 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm

1RI 01230AC/I
Electromechanical step relay 230V a.c.

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 1 contact 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm

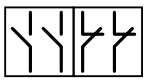
1RI 0212AC/I
Electromechanical step relay 12V a.c.

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



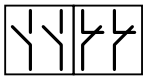
1RI 0224AC/I
Electromechanical step relay 24V a.c.

- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



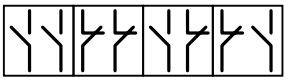
1RI 02230AC/I
Electromechanical step relay 230V a.c.

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



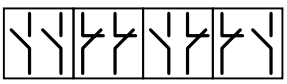
1RI 0412AC/I
Electromechanical step relay 12V a.c.

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



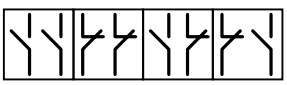
1RI 0424AC/I
Electromechanical step relay 24V a.c.

- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



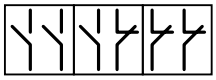
1RI 04230AC/I
Electromechanical step relay 230V a.c.

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



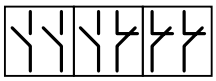
1RI 0612AC/I
Electromechanical step relay 12V a.c.

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 3 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



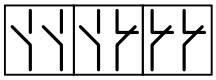
1RI 0624AC/I
Electromechanical step relay 24 V a.c.

- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 3 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



1RI 06230AC/I
Electromechanical step relay 230V a.c.

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 3 sequences
- Panel / recess mounting
- Presetting of fastening holes with screws
- Dimensions (L x W x H) 45 x 22 x 45 mm



1VA CPL001 Capacitor for luminous push buttons
Capacitor to be used with step relays in case of systems with luminous push buttons

1RI 01110ACPC
Electromechanical step relay 110V a.c. ready for capacitor

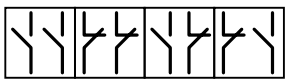
- Power supply 110 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 1 contact 2 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm

1RI 01230ACPC
Electromechanical step relay 230V a.c. ready for capacitor

- Power supply 110 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 1 contact 2 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm

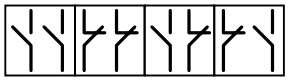
1RI 04110ACPC
Electromechanical step relay 110V a.c. ready for capacitor

- Power supply 110 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm



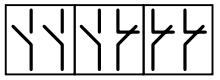
1RI 04230ACPC
Electromechanical step relay 230V a.c. ready for capacitor

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm



1RI 06110ACPC
Electromechanical step relay 110V a.c. ready for capacitor

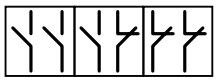
- Power supply 110 V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm



ELECTROMECHANICAL STEP RELAYS

1RI 06230ACPC
Electromechanical step relay 230V a.c. ready for capacitor

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 10 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 3 sequences
- Panel / recess mounting
- Predisposition for fastening holes with screws
- Ready for clip-on capacitor
- Dimensions (L x W x H) 35 x 22 x 45 mm

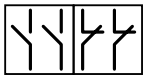


1VA CPL002 Clip-on capacitor for luminous push buttons
Clip-on capacitor to be used in step relays in case of systems with luminous push buttons

Dimensions (L x W x H) 35 x 22 x 17.5 mm

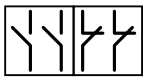
1RI 0212AC/M
Electromechanical step relay 12V - 1 DIN

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



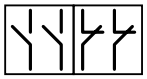
1RI 0224AC/M
Electromechanical step relay 24V - 1 DIN

- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



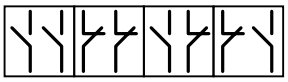
1RI 02230AC/M
Electromechanical step relay 230V - 1 DIN

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 2 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



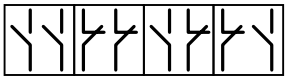
1RI 0412AC/M
Electromechanical step relay 12V - 1 DIN

- Power supply 12 V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



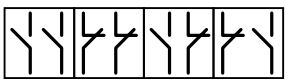
1RI 0424AC/M
Electromechanical step relay 24V - 1 DIN

- Power supply 24 V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



1RI 04230AC/M
Electromechanical step relay 230V - 1 DIN

- Power supply 230V a.c. 50 / 60 Hz
- Contacts 16 A / 250 V a.c.
- Mechanical - sequential operation
- Available contacts: 2 contacts 4 sequences
- Installation on DIN rail
- Control button
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



1RT 200/MT/MF
Multifunction, multi-voltage timer relay with display - 1 DIN

- Power supply 12 - 24 - 48 - 110 - 230V a.c. 50 / 60Hz
- Controllable load (in AC1) 16 A / 250 V a.c.
- Controllable load (in AC15) 3 A / 240V a.c.
- Potential-free changeover contact
- 14 functions available in the display
- Double timer T1, T2 independently adjustable
- Backlit display, amber color
- Digital adjustment of work times, hours, minutes, seconds and tenths of seconds
- Load operation hour counter
- Dimensions (L x W x H) 17.5 x 60 x 90 mm

MEASURING INSTRUMENTS

1SD SD02AV/2
Ammeter and voltmeter for alternate current measurements - 2 DIN

- Digital modular voltmeter and ammeter for alternate current measurements with 3-digit LED display
- Power supply 230V a.c. +-10% 50-60Hz
- Input voltage 0..500V max a.c. (45…100Hz)
- Input current 5A a.c.
- CAT III 300V
- Amperometric loads between 5 and 999 A with TA
- Reading accuracy class 0.5%
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SD SD03A/2
Ammeter for alternate current measurements - 2 DIN

- Digital modular ammeter for alternate current measurements with 3-digit LED display
- Power supply 230V a.c. +-10% 50-60Hz
- Input current Inom= 5A Imax= 6A a.c.
- CAT III 300V
- Amperometric loads between 5 and 999 A with TA
- Reading accuracy class 0.5%
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SD SD04V/2
Voltmeter for alternate current measurements - 2 DIN

- Digital modular voltmeter for alternate current measurements with 3-digit LED display
- Power supply 230V a.c. +-10% 50-60Hz
- Input voltage 0..500V max a.c. (45…100Hz)
- input impedance=1.5Mohm
- CAT III 300V
- Amperometric loads between 5 and 999 A with TA
- Reading accuracy class 0.5%
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SD SD05MM/2
Single-phase multimeter - 2 DIN

- Digital single-phase multimeter with 3-digit LED display on 2 lines
- Voltage measurement 0-230V
- Current measurement 0.1-26A (30A)
- Active Power Measurement 8.00kW
- Active Energy Measurement (Wh) on 2 lines
- Accounting period 15 min
- Direct connection energy count 9.99 / 999 kWh
- Measurement of the power factor
- Hour counter
- Digital filter
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SD SD10MT/2
Three-phase multimeter - 2 DIN

- Digital three-phase multimeter with 3-digit LED display on 2 lines
- Phase-phase voltage VL1, VL2, VL3
- Phase-neutral voltage VL1-N, VL2-N, VL3-N
- Average VL phase average voltage
- Phase current I1, I2, I3
- Phase average current I average
- Current in “Ien” neutral (<imbalance>)
- Basic active power
- Dimensions (L x W x H) 35 x 63 x 85 mm

1SD SD05CEM/2
Single-phase analog energy counter - 2 DIN

It accounts for the ACTIVE energy consumption in single-phase 230V systems, up to a maximum current of 100A with an impulsive output of 100ms for each consumed Wh: open collector transistor 5-27 V d.c. max 27 mA d.c.

- 230V power supply c.a. ± 10% 50-60Hz
- Digit number 5 numbers + 1 decimal
- Reading resolution 0.1 KWh
- Rated voltage 230V
- Input current 100A max
- Current / Minimum measurable power 40 mA / 9 W
- Accuracy Class 1 IEC62053-21, Class B EN50470-3
- Dimensions (L x W x H) 36 x 63 x 99 mm

1SD SD06CEM/1
Single-phase analog energy counter - 1 DIN

It accounts for the ACTIVE energy consumption in single-phase 230V systems, up to a maximum current of 45A with direct connection, with an impulsive output: transistor open collector 5-27 d.c. max 27 mA d.c.

- 230V power supply c.a. ± 10% 50-60Hz
- Digit number 5 numbers + 1 decimal
- Reading resolution 0.1 KWh
- Rated voltage 230V
- Input current 45A max
- Current / Minimum measurable power 20 mA / 4,5 W
- Accuracy Class 1 IEC62053-21, Class B EN50470-3
- Dimensions (L x W x H) 17.5 x 62 x 119 mm

1SD SD11CCE/4
Pulse concentrator, energy counter - 3 DIN

Collects the impulses from energy counters (max 5), totals them, and puts them at disposal for a Master MODBUS.

- Power supply 230V +/- 10% 50 / 60Hz Inputs 5 with NO or NC free contact (programmable from software)
- MODBUS RTU protocol input
- Management software
- Dimensions (L x W x H) 52.5 x 58 x 85 mm

1SD SD05CEM2DGT - Digital
1SD SD05CEM2MID - Digital - MID CERTIFIED
Single-phase digital energy counter - 2 DIN

It regulates the consumption of ACTIVE energy and the electric power in 230V systems c.a. single phase, up to a maximum current of 100A with direct connection, double pulse output: open collector transistor 5-27 V d.c. max 27 mA d.c .. Push-button reset for partial consumption readings

- 230V power supply c.a. ± 10% 50-60Hz
- Number of digits 6 numbers + 1 decimal
- Reading resolution 0.1 KWh
- Rated voltage 230V
- Input current 100A max
- Current / Minimum measurable power 40 mA / 9 W
- MID certificate (CEM2MID)
- Accuracy Class 1 IEC62053-21, Class B EN50470-3
- Dimensions (L x W x H) 36 x 63 x 99 mm

1SD SD06CEM1DGT - Digital
1SD SD06CEM1MID - Digital - MID CERTIFIED
Single-phase digital energy counter - 1 DIN

It regulates the consumption of active energy in 230V systems c.a. single phase, up to a maximum current of 45A with direct connection, with impulsive output: open collector transistor 5-27 V d.c. max 27 mA d.c.

- 230V power supply c.a. ± 10% 50-60Hz
- Number of digits 5 numbers + 1 decimal
- Reading resolution 0.1 KWh
- Input current 45A max
- Current / Minimum measurable power 20 mA / 4,5 W
- MID certificate (CEM1MID)
- Accuracy Class 1 IEC62053-21, Class B EN50470-3
- Dimensions (L x W x H) 17.5 x 62 x 119 mm

1SD SD07CET/4
Three-phase energy counter 5/TA - 4 DIN

It records the consumption of ACTIVE energy in three-phase 400V a.c. systems with neutral, with connection TA…/5° and the possibility to program the ratio, one programmable impulsive output, through a reed relay for the remote signalling of consumptions up to a maximum 30A current with one open-collector 100ms impulsive output every 10W consumed

- Power supply 400 V +-10% auto-fed 50-60Hz
- Reading resolution 0.1 kWh
- Accuracy Class A
- Number of digits: 6 integers + 1 decimal
- Connection in TA (4 wires with neutral)
- Rated voltage 3x230 / 400V
- Rated current 5A (30A max)
- EN50470-1, EN50470-3 and EN62059-41 standards
- Dimensions (L x W x H) 70 x 63 x 85 mm

1SD SD08CET/4
Three-phase energy counter 30A - 4 DIN

It records the consumption of ACTIVE energy in three-phase 400V systems, up to the maximum current of 32A with one open-collector 100ms impulsive output every 100W consumed

- Power supply 400 V +-10% 50-60Hz
- Reading resolution 0.1 kWh
- Accuracy Class A
- Number of digits: 6 integers + 1 decimal
- Connection in TA (4 wires with neutral)
- Rated voltage 3x230 / 400V
- Rated current 32A
- EN50470-1, EN50470-3 and EN62059-41 standards
- Dimensions (L x W x H) 70 x 63 x 85 mm

1SD SD09CET/4
Three-phase energy counter 63A - 4 DIN

It records the consumption of ACTIVE energy in three-phase 400V systems, up to the maximum current of 63A with one open-collector 100ms impulsive output every 100W consumed

- Power supply 400 V +-10% 50-60Hz
- Reading resolution 0.01 kWh
- Accuracy Class A
- Number of digits: 6 integers + 1 decimal
- Connection in TA (4 wires with neutral)
- Rated voltage 3x230 / 400V
- Rated current 63A
- EN50470-1, EN50470-3 and EN62059-41 standards
- Dimensions (L x W x H) 70 x 63 x 85 mm

1SD SD31AR/4
Network analyser - 4 DIN

It displays three-phase electrical measures for voltage, current, power, energy, frequency, hour counter. Equipped with back-lighting, alarm relay, set-point memory and energy.

- Power supply 110V, 230V, 400V 50 / 60Hz
- Voltmeter input
- Amperometric input
- 16-digit white LED display
- Measurement: voltage, current, active power, reactive power, apparent power, active energy, reactive energy
- Programmable threshold alarm contact
- Dimensions (L x W x H) 70 x 58 x 85 mm

1TA TA00/10
Wound primary current transformer 10/5 A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA00/25
Wound primary current transformer 25/5 A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA00/40
Wound primary current transformer 40/5 A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA02/50
Wound primary current transformer 50/5A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA02/60
Wound primary current transformer 60/5 A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA02/100
Wound primary current transformer 100/5 A

Accuracy class 0.5
Power 6VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA03/40
Through primary current transformer 40/5 A

Accuracy class 3
Power 2VA

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 x 97 mm

1TA TA03/50
Through primary current transformer 50/5 A

Accuracy class 3
Power 3A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 x 97 mm

1TA TA03/60
Through primary current transformer 60/5 A

Accuracy class 3
Power 3A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 mm

1TA TA03/100
Through primary current transformer 100/5 A

Accuracy class 1
Power 3A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 x 97 mm

1TA TA04/150
Through primary current transformer 150/5 A

Accuracy class 0.5
Power 3A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 x 97 mm

1TA TA04/200
Through primary current transformer 200/5 A

Accuracy class 0.5
Power 3A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 mm

1TA TA04/250
Through primary current transformer 250/5 A

Accuracy class 0.5
Power 5A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 58 x 44 x 97 mm

1TA TA05/400
Through primary current transformer 400/5 A

Accuracy class 0.5
Power 10A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA05/500
Through primary current transformer 500/5 A

Accuracy class 0.5
Power 10A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA05/600
Through primary current transformer 600/5 A

Accuracy class 0.5
Power 10A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 75 x 44 x 109 mm

1TA TA06/800
Through primary current transformer 800/5 A

Accuracy class 0.5
Power 10A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 105 x 61 x 131 mm

1TA TA06/1000
Through primary current transformer 1000/5 A

Accuracy class 0.5
Power 10A

Installation on DIN rail and / or wall-mounted
Dimensions (L x W x H) 105 x 61 x 131 mm

1CO 2400 - 24V a.c.
1CO 1100 - 110V a.c.
1CO 2200 - 220V a.c.
1CO 3800 - 380V a.c.
1CO CC1236 - 10-50V d.c.
Hour counter

- Recording ability 99,999.99
- Installed in the panel / on rear of switchboard
- Dimensions (L x W x H) 55 x 56 x 55 mm

1CO CO24/2 - 24V a.c.
1CO CO110/2 - 110V a.c.
1CO CO230/2 - 230V a.c.
1CO CO36C/2 - 12-36V d.c.
Hour counter - 2 DIN

- Power supply <10VA
- Recording ability 99,999.99
- Accuracy class 0.5% - 1% (CO36C/2)
- Reading accuraacy 1/100h (36sec) - 1/10h 6min (CO36C/2)
- Dimensions (L x W x H) 35 x 63 x 85 mm

LEVEL REGULATORS

1CL RLG01/3PVC - PVC cable 3x1 - 3 m long
1CL RLG02/5PVC - PVC cable 3x1 - 5 m long
1CL RLG03/10PVC - PVC cable 3x1 - 10 m long
1CL RLG04/15PVC - PVC cable 3x1 - 15 m long
1CL RLG05/20PVC - PVC cable 3x1 - 20 m long
1CL RLG06/25PVC - PVC cable 3x1 - 25 m long
Floating level regulator for clear water

- Electric range 10 (8) A / 250 V
- Operating Temperature 0-50°C
- Pressure resistance 1 BAR

1CL RLG025NEOP - NEOPRENEcable 3x1 - 5 m long
1CL RLG0310NEOP - NEOPRENEcable 3x1 - 10 m long
1CL RLG0520NEOP - NEOPRENEcable 3x1 - 20 m long

- Protection degree IP 68
- Dimensioni (L x W x H) 81 x 131 x 42 mm

1CL RLG10/5PVC - PVC cable 3x1 - 5 m long
1CL RLG11/10PVC - PVC cable 3x1 - 10 m long
1CL RLG12/20PVC - PVC cable 3x1 - 20 m long
Floating level regulator for sewage water

- Electric range 10 (8) A / 250 V
- Switching angle ±45°
- Operating Temperature 0-50°C

1CL RLG20/5NEOP - NEOPRENEcable 3x1 - 5 m long
1CL RLG21/10NEOP - NEOPRENEcable 3x1 - 10 m long
1CL RLG22/20NEOP - NEOPRENEcable 3x1 - 20 m long

- Pressure resistance 2 BAR
- Protection degree IP 68
- Dimensioni (L x W x H) 117 x 117 x 222 mm

1CL RLG3005PVC - PVC cable 3x1 - 5 m long
1CL RLG3010PVC - PVC cable 3x1 - 10 m long
1CL RLG3020PVC - PVC cable 3x1 - 20 m long
1CL RLG3005NEOP - NEOPRENEcable 3x1 - 5 m long - ENEC Approved
1CL RLG3010NEOP - NEOPRENEcable 3x1 - 10 m long - ENEC Approved
1CL RLG3020NEOP - NEOPRENEcable 3x1 - 20 m long - ENEC Approved
Floating level regulator for sewage water

- Electric range 10 (3) A / 250 V
- Switching angle ±10°
- Operating Temperature 0-50°C

- Pressure resistance 2 BAR
- Protection degree IP 68
- Dimensions (L x W x H) 100 x 100 x 156 mm

1CL RLE024/2 - 24V
1CL RLE230/2 - 230V
Electronic level regulator 24V - 2 DIN

- Power supply 24V 50-60 Hz (RLE024/2)
  230V 50-60 Hz (RLE230/2)
- Electrode voltage 12V
- Relay range 5A / 250 V
- Adjustable sensitivity

- Max. connection length between control unit and probes, approx. 70-80m
- Installation on terminal board IP 20
- Installation on rear of switchboard IP 40
- Dimensions (L x W x H) 37 x 58 x 95 mm

1CL RLEME/3
Multivoltage electronic level regulator series E evolved - 3 DIN

- Power supply 24/117/230V 50-60 Hz
- Electrode voltage 12Vpp
- Range of 1st relay 5A / 250 V
- Range of 2nd relay 2A / 250 V
- Adjustable intervention delay 0 - 16sec
- Emptying / filling intervention mode

- Max. connection length between control unit and probes, approx. 1000m
- Installation on terminal board IP 20
- Installation on rear of switchboard IP 40
- Dimensions (L x W x H) 53 x 58 x 95 mm

1CL RLE230E/2
Electronic level regulator 230V series E evolved - 2 DIN

- Power supply 230V 50-60 Hz
- Electrode voltage 12Vpp
- Relay range 5A / 250 V
- Adjustable intervention delay 0 - 16sec
- Emptying / filling intervention mode

- Max. connection length between control unit and probes, approx. 1000m
- Installation on terminal board IP 20
- Installation on rear of switchboard IP 40
- Dimensions (L x W x H) 37 x 58 x 95 mm

ACCESSORIES

1CL SF010 Probe with electronic wire connection

- Installation directly in the liquid
- Max. operating temperatures 80°C

- Dimensions (D x L) 22 x 85 mm

1CL ST021 3-conductor probe holder

- Installation hole D 65mm
- Max. operating temperatures 80°C

- Dimensions (D x L) 80 x 72 mm

AUTOMATIC HYGIENIC DEVICES

1DC AMF08
“DUO” serie automatic hand dryer, white
1DC AMF08G
“DUO” serie automatic hand dryer, grey

The ergonomic design allows the insertion of the hands in a natural way.
A double jet of clean air at over 410 km / h wraps the hands on both sides, allowing perfect drying and elimination of the sensation of humidity, in just 12 - 15 seconds.

410 km/h

Double UV lamp for sanitization of the engine

Double EPA E11 filter guarantees protection against 97.66% of bacteria

Water collection tray, under which there is the ON / OFF button for managing the electrical resistance

Safety lock for the water collection tray

- Power supply 220V - 240V
- Automatic operation
- 28.000 rpm engine
- IP31 - CLASS II
- Power: total 1450 W
  resistance 350 W
  engine 1100 W
- Air speed 410 km/h
- Air volume 52 l/sec.
- Double antibacterial filter
- Double UV lamp for sanitization of the engine block
- Noise level 73 dB (A) at 2 m
- Material ABS
- Weight 6,56 kg
- Dimensions (LxWxH) 566 x 296 x 177 mm

1DC AMF05
“EOLO JET” serie automatic hand dryer with infrared sensor, white
1DC AMF05C
“EOLO JET” serie automatic hand dryer with infrared sensor, chrome

With a depth of less than 10 cm “EOLO JET” is one of the smallest towels on the market. The quick drying combined with a power of only 900 W allow significant energy savings.

200 km/h

Only 99,5 mm depth

Automatic operation with adjustable induction distance

Excellent performance / consumption / spending budget ratio

- Power supply 220V - 240V
- Electronic infrared sensor
- 28.000 rpm engine
- IP23 - CLASS II
- Power: total 900 W
  resistance 500 W
  engine 400 W
- Air speed 200 km/h
- Air volume31 l/sec.
- Noise level 80 dB (A) at 2 m
- Material ABS
- Weight 1,2 kg
- Dimensions (LxWxH) 238 x156 x 99,5 mm

AUTOMATIC HYGIENIC DEVICES

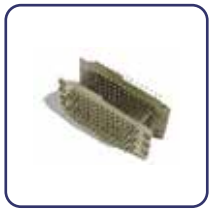
1DC AMF06
“MISTRAL” serie automatic hand dryer with infrared sensor, white ABS
1DC AMF06B
“MISTRAL” serie automatic hand dryer with infrared sensor, white stainless steel
1DC AMF06CS
“MISTRAL” serie automatic hand dryer with infrared sensor, satin stainless steel

Mistral electric hand dryer ideal for high turnout, superfast and energy saving. Integrated and certi fi ed antibacterial action, with antibacterial fi lter and UV lamp as standard equipment. Complete range with vandal-proof stainless steel versions.

300 km/h

UV lamp for sanitization of the engine

EPA E11 filter guarantees protection against 97.66% of bacteria



Resistance ON / OFF

- Power supply 220V - 240V
- Infrared sensor
- 26.000 rpm engine
- IP23 - CLASS II
- Power: total 1100 W
  resistance 550 W
  engine 550 W
- Antibacterial filter
- UV lamp for sanitization of the engine
- Air speed 300 km/h
- Air volume 52 l/sec.
- Noise level 75 dB (A) at 2 m
- Polypropylene - stainless steel AISI 304
- Dimensions (LxWxH) 285 X 221 X 157 mm

1DC ASE02N
Automatic hand dryer controlled by photocell

- Power supply 230V a.c. 50-60Hz
- Induction motor
- Power 1.750 W
- Air volume 3.000 litres/minute
- Insulation class I
- Air temperature 65°C at 10cm
- Noise level 70 dB (A) at 1m
- Dimensions (L x W x H) 200 x 200 x 240 mm

1DC AMP03 - Push button
1DC AMF04 - Controlled by photocell
Hand dryer series "EOLO"

- Power supply 230V a.c. 50-60Hz
- Commutator motor
- Power 1.500 W
- Air volume 1.450 litres/minute
- Insulation class II
- Air temperature 67°C at 10cm
- Noise level 75 dB (A) at 1m
- Dimensions (L x W x H) 133 x 26 x 280 mm

1DC DS008
Liquid soap dispenser

- Manual operation
- Capacity 1l
- Wall-mounted
- Dimensions (L x W x H) 130 x 95 x 275 mm

1DC DC009
Paper tissue dispenser

- Pull manual operation
- Capacity approx. 600pcs
- Wall-mounted
- Dimensions (L x W x H) 300 x 155 x 295 mm

1DC ACP06
Push button hairdryer series "EOLO"

- Power supply 230V a.c. 50-60Hz
- Commutator motor
- Power 750 W
- Air volume 1.050 litres/minute
- Insulation class II
- Air temperature 56°C at 10cm
- Noise level 75 dB (A) at 1m
- Dimensions (L x W x H) 133 x 26 x 280 mm

1DC ACT10
Nozzle hair dryer series "EOLO"

- Power supply 230V a.c. 50-60Hz
- Commutator motor
- Power 750 W
- Air volume 1.050 litres/minute
- Insulation class II
- Air temperature 71°C at 10 cm
- Noise level 72 dB (A) at 1m
- Dimensions (L x W x H) 206 x 133 x 280 mm + 350 mm tube

1DC ACT11
Nozzle temporised hair dryer series "EOLO"

- Power supply 230V a.c. 50-60Hz
- Commutator motor
- Power 750 W
- Air volume 1.050 litres/minute
- Insulation class II
- Air temperature 71°C at 10 cm
- Timing approx. 7 min.
- Noise level 72 dB (A) at 1m
- Dimensions (L x W x H) 206 x 133 x 280 mm + 350 mm tube

1DC ACPH13
Hair dryer for hotels

- Power supply 230V a.c. 50-60Hz
- Power 1.200 W
- on / off button
- 1 temperature position/air flow
- Dimensions (L x W x H) 230 x 115 x 215 mm + 145 mm cable

EMERGENCY LIGHTS

1LE 002M
Anti black-out lamp, extractable torch for electric panels - 3 DIN

EN 60598-2-2 - 230V 50/60 Hz
PC - IP20 - IK04

- Power supply 230V c.a. ±15% 50 Hz
- 1 LED 0,5W 20 lumen
- Black-out autonomy 2 h
- Recharge time 36 h
- Replaceable battery Ni-MH 3,6V - 140 mAh
- Consumption 15 mA 3,5 VA
- Protection degree IP30
- Max cross-section of wires to terminals: 0,5..... 1,5 mm²
- Working temperature from 0°C to +40°C
- Storing temperature from -10°C to +60°C
- CE marking reference LVD/EMC EN60598-1, EN60598-2-2, EN62471 55015:2006, EN61547
- Dimensions (L x W x H) 38,5 x 60 x 90 mm

1PR WW00822 Battery pack for replacement for emergency light 1LE002M

"NEXT" series emergency lights

EN 60598-2-22 - 230V 50/60 Hz
PC - IP42/IP65 - IK04

- Installable on casing type 503, 502, 506
- Rapid assembly
- Protection degree IP42 or IP65
- Autonomy 1,5 / 3 h depending from model
- Recharge time 12 h
- Dimensions (L x W x H) 252 x 38 (recessed) / 30 x 113 mm

	CODE	Lm	Aut.	Rech. time	Batt.	Cons.
EMERGENCY ONLY NOT MANTAINED IP42	1LE L60L0	60	1,5h	12h	3,6V · 0,3 Ah NiCd	0,4 W
	1LE L100L0	105	1,5 h	12 h	3,6V · 0,6 Ah NiCd	1,0 W
	1LE L120L0	130	1,5 h	12 h	3,6V · 0,75 Ah NiCd	1,0 W
	1LE L150L0	170	1,5 h	12 h	4,8V · 0,75 Ah NiCd	1,0 W
	1LE L200L0	180	1,5 h	12 h	4,8V · 0,85 Ah NiMh	1,1 W
	1LE L3100L0	75	3 h	12 h	4,8V · 0,75 Ah NiCd	1,0 W

	CODE	SA Lm	SE Lm	Aut.	Rech. time	Batt.	Cons.
ALWAYS ON MANTAINED IP42	1LE LL600	57,8	55	1,5 h	12 h	3,6V · 0,3 Ah NiCd	-
	1LE LL1000	57,8	100	1,5 h	12 h	3,6V · 0,6 Ah NiCd	-
	1LE LL1500	152	150	1,5 h	12 h	3,6V · 0,75 Ah NiCd	-
	1LE LL31000	150	70	3 h	12 h	4,8V · 0,75 Ah NiCd	-

	CODE	Lm	Aut.	Rech. time	Batt.	Cons.
EMERGENCY ONLY NOT MANTAINED IP65	1LE LE60L0	60	1,5 h	12 h	3,6V · 0,3 Ah NiCd	0,4 W
	1LE LE100L0	105	1,5 h	12 h	3,6V · 0,6 Ah NiCd	1,0 W
	1LE LE120L0	130	1,5 h	12 h	3,6V · 0,75 Ah NiCd	1,0 W
	1LE LE150L0	170	1,5 h	12 h	4,8V · 0,75 Ah NiCd	1,0 W
	1LE LE200L0	180	1,5 h	12 h	4,8V · 0,85 Ah NiMh	1,1 W
	1LE LE3100L0	75	3 h	12 h	4,8V · 0,75 Ah NiCd	1,0 W

	CODE	SA Lm	SE Lm	Aut.	Rech. time	Batt.	Cons.
ALWAYS ON MANTAINED IP65	1LE LLE600	57,8	55	1,5 h	12 h	3,6V · 0,3 Ah NiCd	-
	1LE LLE1000	57,8	100	1,5 h	12 h	3,6V · 0,6 Ah NiCd	-
	1LE LLE1500	152	150	1,5 h	12 h	3,6V · 0,75 Ah NiCd	-
	1LE LLE31000	150	70	3 h	12 h	4,8V · 0,75 Ah NiCd	-

ACCESSORIES

1LEL DB	Blade diffuser
1LE LN L	Pictogram arrow left 230x110 mm to be placed directly on the blade diffuser
1LE LN R	Pictogram arrow right 230x110 mm to be placed directly on the blade diffuser
1LE LN SD	Pictogram arrow down 230x110 mm to be placed directly on the blade diffuser
1LE LN B	Pictogram white 230x110 mm to be placed directly on the blade diffuser
1LE PN L	Pictogram arrow left 215x110 mm to be placed directly on the lamp
1LE PN R	Pictogram arrow right 215x110 mm to be placed directly on the lamp
1LE PN SD	Pictogram arrow down 215x110 mm to be placed directly on the lamp

"GS" series emergency lights

EN 60598-2-22 - 230V 50/60 Hz
PC - IP44 - IK04

- Rapid assembly
- Protection degree IP44
- Autonomy 1 / 2 / 3 h depending from model
- Recharge time 24 h
- Dimensions (L x W x H) 252 x 40 x 100 mm

	CODE	Lm	Aut.	Rech. time	Batt.	Cons.
EMERGENCY ONLY MULTILED NOT MANTAINED IP44	**1LE G 60L**	70 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	1,2 W
	1LE G 100L	110 lm	1 h	24 h	3,6 V · 0,6 Ah NiCd	1,9 W
	1LE G 150L	150 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	2,2 W
	1LE G 200L	195 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	2,2 W
	1LE G 300L	325 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	2,3 W
	1LE G 400L	400 lm	1 h	24 h	6,0 V · 0,75 Ah NiCd	2,3 W
	1LE G 2300L	200 lm	2 h	24 h	TBD	2,3 W
	1LE G 3200L	200 lm	3 h	24 h	7,2 V · 0,75 Ah NiCd	2,2 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
ALWAYS ON MANTAINED IP44	**1LE GL 60**	80 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	1,6 W
	1LE GL 100	100 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	4,0 W
	1LE GL 150	170 lm	1 h	24 h	3,6 V · 0,6 Ah NiCd	1,6 W
	1LE GL 200	200 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	4,3 W
	1LE GL 300	310 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	4,7 W
	1LE GL 3100	100 lm	3 h	24 h	4,8 V · 0,75 Ah NiCd	4,7 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
EMERGENCY ONLY AUTOTEST NOT MANTAINED IP44	**1LE GA 60L**	80 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	0,4 W
	1LE GA 150L	170 lm	1 h	24 h	3,6 V · 0,6 Ah NiCd	0,85 W
	1LE GA 200L	200 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	0,85 W
	1LE GA 300L	310 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	0,85 W
	1LE GA 3200L	200 lm	3 h	24 h	4,8 V · 0,75 Ah NiCd	0,85 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
ALWAYS ON AUTOTEST MANTAINED IP44	**1LE GAL 60**	75 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	1,36 W
	1LE GAL 150	155 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,36 W
	1LE GAL 200	190 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	2,4 W
	1LE GAL 300	310 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	3,16 W

ACCESSORIES

1LE OAT	**M20 tube mounting accesorie**
1LE GAMS	**IP65 KIT (watertight rubber, PG7 cable gland and joints for screws)**
1LE GME	**Embedding frame**
1LE GDB	**Blade diffuser**
1LE GDBPE	**Blade diffuser for recessed fittings**
1LE GDBP	**Recession frames + Flag diffuser wall mounted**
1LE NL	**Pictogram arrow left 150x90 mm to be placed directly on the lamp diffuser**
1LE NR	**Pictogram arrow right 150x90 mm to be placed directly on the lamp diffuser**
1LE NSD	**Pictogram arrow down 150x90 mm to be placed directly on the lamp diffuser**
1LE PNL	**Pictogram arrow left 300x130 mm to be used with 1LE GDB**
1LE PNR	**Pictogram arrow right 300x130 mm to be used with 1LE GDB**
1LE PNSD	**Pictogram arrow down 300x130 mm to be used with 1LE GDB**
1LE LNL	**Pictogram arrow left 230x110 mm to be used with 1LE GDBP**
1LE LNR	**Pictogram arrow right 230x110 mm to be used with 1LE GDBP**
1LE LNSD	**Pictogram arrow down 230x110 mm to be used with 1LE GDBP**

EMERGENCY LIGHTS

"ELIOS" series emergency lights

EN 60598-2-22 - 230V 50/60 Hz
PC - IP42 - IK04

- Installable on casing type 503
- Rapid assembly
- Protection degree IP42
- Autonomy 1 / 2 / 3 h depending from model
- Recharge time 10 / 24 h
- Dimensions (L x W x H) 322 x 52 x 120 mm

	CODE	Lm	Aut.	Rech. time	Batt.	Cons.
EMERGENCY ONLY NOT MANTAINED IP42	1LE D 30L0	45 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	0,4 W
	1LE D 60L0	60 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	0,4 W
	1LE D 100L0	110 lm	1 h	24 h	3,6 V · 0,6 Ah NiCd	1,0 W
	1LE D 120L0	120 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,0 W
	1LE D 150L0	140 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,1 W
	1LE D 200L0	200 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,1 W
	1LE D 250L0	235 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	1,1 W
	1LE D 300L0	330 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	2,2 W
	1LE D 400L0	400 lm	1 h	24 h	7,2 V · 0,75 Ah NiCd	2,3 W
	1LE D 500L0	480 lm	1 h	24 h	4,8 V · 1,5 Ah NiCd	2,3 W
	1LE D 600L0	580 lm	1 h	24 h	6,0 V · 1,5 Ah NiCd	2,3 W
	1LE D 700L0	675 lm	1 h	24 h	8,4 V · 1,5 Ah NiCd	2,3 W
	1LE D2 200L0	200 lm	2 h	24 h	7,2 V · 0,75 Ah NiCd	2,2 W
	1LE D2 400L0	410 lm	2 h	24 h	6,0 V · 1,5 Ah NiCd	2,2 W
	1LE D3 60L0	60 lm	3 h	24 h	3,6 V · 0,75 Ah NiCd	1,0 W
	1LE D3 200L0	200 lm	3 h	24 h	6,0 V · 1,5 Ah NiCd	1,0 W
	1LE D3 400L0	450 lm	1 h	24 h	7,4 V · 2,0 Ah NiCd	2,05 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
ALWAYS ON MULTILED MANTAINED IP42	1LE DL 60M	70 lm	1 h	24 h	3,6 V · 0,3 Ah NiCd	1,5 W
	1LE DL 150M	145 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,8 W
	1LE DL 200M	170 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	2,5 W
	1LE DL 300M	325 lm	1 h	24 h	6,0 V · 0,75 Ah NiCd	3,0 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
EMERGENCY ONLY AUTOTEST MULTILED NOT MANTAINED IP42	1LE DA 100L0	135 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	1,0 W
	1LE DA 200L0	195 lm	1 h	24 h	3,6V · 0,75 Ah NiCd	1,0 W
	1LE DA 300L0	290 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	1,0 W
	1LE DA 400L0	390 lm	1 h	24 h	7,2 V · 0,75 Ah NiCd	2,3 W
	1LE DA 500L0	490 lm	1 h	24 h	7,2 V · 0,85 Ah NiCd	2,3 W
	1LE DA2 200L0	210 lm	2 h	24 h	6,0 V · 0,75 Ah NiCd	2,3 W
	1LE DA3 200L0	180 lm	3 h	24 h	7,2 V · 0,75 Ah NiCd	2,2 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
EMERGENCY ONLY AUTOTEST MULTILED MANTAINED IP42	1LE DAL 1000	130 lm	1 h	24 h	3,6 V · 0,75 Ah NiCd	3,5 W
	1LE DAL 2000	210 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	5,0 W
	1LE DAL 2500	235 lm	1 h	24 h	4,8 V · 0,75 Ah NiCd	5,0 W
	1LE DAL 3000	300 lm	1 h	24 h	6,0 V · 1,5 Ah NiCd	4,5 W
	1LE DAL2 2000	210 lm	2 h	24 h	4,8 V · 2,0 Ah NiCd	5,0 W
	1LE DAL3 1000	130 lm	3 h	24 h	4,8 V · 2,0 Ah NiCd	5,0 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
DALI IP42	1LE DIDL 100	100 lm	1 h	10 h	3,6 V · 1,5 Ah NiCd	3,5 W
	1LE DIDL 200	210 lm	1 h	10 h	4,8 V · 1,5 Ah NiCd	5,0 W
	1LE DIDL 300	300 lm	1 h	10 h	6,0 V · 1,5 Ah NiCd	5,0 W
	1LE DIDL2 200	200 lm	2 h	10 h	4,8 V · 2,0 Ah NiCd	4,5 W
	1LE DILDL3 100	100 lm	3 h	10 h	4,8 V · 2,0 Ah NiCd	5,0 W
	CODE	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
CENTRAL BATTERY SYSTEM	1LE D S3L0 -	210	-	-	-	3,5 W

ACCESSORIES

1LEL DB	Blade diffuser
1LE LN L	Pictogram arrow left 230x110 mm to be placed directly on the lamp
1LE LN R	Pictogram arrow right 230x110 mm to be placed directly on the lamp
1LE LN SD	Pictogram arrow down 230x110 mm to be placed directly on the lamp
1LE LN B	Pictogram white 230x110 mm to be placed directly on the lamp
1LE PN L	Pictogram arrow left 300x120 mm to be placed directly on the blade diffuser
1LE PN R	Pictogram arrow right 300x120 mm to be placed directly on the blade diffuser
1LE PN SD	Pictogram arrow down 300x120 mm to be placed directly on the blade diffuser

"InvisibiLED" series emergency lights

EN 60598-2-22 - 230V 50/60 Hz
PC - IP20 - IK04

- Rapid assembly
- Protection degree IP20
- Autonomy 1 / 3 h depending from model
- Recharge time 24 h
- Dimensions (Ø x W) 50 x 33 mm

	CODE	Optics	Lm	Aut.	Rech. time	Cons.
EMERGENCY ONLY NOT MANTAINED IP20	1LE VSE	Areas	205	1 h	24 h	-
	1LE VVE	Corridors	205	1 h	24 h	-
	1LE VSEH	Areas	360	1 h	24 h	-
	1LE VVEH	Corridors	360	1 h	24 h	-
	CODE	**Optics**	**Lm**	**Aut.**	**Rech. time**	**Cons.**
EMERGENCY ONLY NOT MANTAINED + ALWAYS ON MANTAINED IP20	1LE VS	Areas	190	1 h	24 h	-
	1LE VV	Corridors	200	1 h	24 h	-
	1LE VS3	Areas	190	3 h	24 h	-
	1LE VV3	Corridors	200	3 h	24 h	-
	CODE	**Optics**	**Lm**	**Aut.**	**Rech. time**	**Cons.**
EMERGENCY ONLY AUTOTEST NOT MANTAINED IP20	1LE VSEA	Areas	195	1 h	24 h	-
	1LE VVEA	Corridors	360	1 h	24 h	-
	1LE VSEAH	Areas	195	1 h	24 h	-
	1LE VVEAH	Corridors	360	1 h	24 h	-
	CODE	**Optics**	**Lm**	**Aut.**	**Rech. time**	**Cons.**
EMERGENCY ONLY NOT MANTAINED + ALWAYS ON MANTAINED AUTOTEST IP20	1LE VSA	Areas	190	1 h	24 h	-
	1LE VVA	Corridors	200	1 h	24 h	-
	1LE VSA3	Areas	190	3 h	24 h	-
	1LE VVA3	Corridors	200	3 h	24 h	-

"USCITA SICURA" series emergency lights

EN 1838 - 230V 50/60 Hz
PC - IP20 - IK04

- Installable on casing type 503
- Rapid assembly
- Include: 3 pictograms, wall mount kit, perpendicular wall kit
- Protection degree IP20
- Recharge time 24 h
- Dimensions (L x W x H) 357 x 34 x 225 mm

	CODE	W	Lm	Aut.	Rech. time	Batt.	Cons.
MANTAINED	1LE SG0	9 x 0,25 W	-	1 h	-	3,6 V · 0,75 Ah NiCd	2,2 W
	1LE SG30	9 x 0,25 W	-	3 h	-	3,6 V · 1,2 Ah NiMh	2,4 W
	CODE	**W**	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
AUTOTEST	1LE SGA0	9 x 0,25 W	-	1 h	24 h	3,6 V · 0,75 mAh	-
	1LE SGA30	9 x 0,25 W	-	3 h	24 h	4,8 V · 1,5 Ah	-
	CODE	**W**	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
DALI	1LE SGIDK	9 x 0,25 W	-	1 h	24 h	3,6 V · 0,75 mAh	-
	1LE SGID3K	9 x 0,25 W	-	3 h	24 h	4,8 V · 1,5 Ah	-
	CODE	**W**	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
CENTRAL BATTERY SYSTEM 230V	1LE SG S0	9 x 0,25 W	-	-	-	-	-
	CODE	**W**	**Lm**	**Aut.**	**Rech. time**	**Batt.**	**Cons.**
CENTRAL BATTERY SYSTEM 24V	1LE SG S240	9 x 0,25 W	-	-	-	-	-

ACCESSORIES

1LE SG NL	Pictogram arrow left 300x120 mm to be placed directly on the lamp
1LE SG NR	Pictogram arrow right 300x120 mm to be placed directly on the lamp
1LE SG NSD	Pictogram arrow down 300x120 mm to be placed directly on the lamp

RETURN OF GOODS - General terms and sales conditions
RESERVED TO PERRY CUSTOMERS

A – WARRANTY RETURNS
Warranty returns will include all products that are considered to be out of order and sent DDP (Delivery Duty Paid) to our headquarter in Veniano (CO) - Italy - via Milanese 11, within the period of 24 months from the manufacturing date specified in each individual product. As far as the aforesaid products are concerned, they will be replaced with brand new products, except for the items whose sales price, net of discount, is higher than 52.00 €. For technical reasons, all Hygiene Devices are excluded, as a laboratory check is necessary for them before the full acceptance of the WARRANTY, with subsequent repairing. It is understood that in case of products whose sales price net of discount is higher than 52.00 €, the necessary repairs will be carried out, and then the products will be resent to the sender. In case of Warranty products, no charge will be issued, except in case the product is damaged and/or tampered with due to installation negligence. In this case, they will be considered as non-warranty returns.

B – NON-WARRANTY RETURNS
Non-warranty returns will include all products that are sent DDP (Delivery Duty Paid) to our headquarter in Veniano (CO) - Italy after the period of 24 months, and within 5 years from the manufacturing date specified in each individual product. As far as all non-warranty products are concerned, we will replace the products with a new product and/or with an item that was recovered as new product, and we will charge 50% of the product cost according to the prices of the pricelist in force. It is understood that in case of products whose sales price net of discount is higher than 52.00 €, and for technical reasons, all Hygiene Devices will be subject to the necessary repairs, and then will be resent to the sender. Note. All items not included in the catalogue any more, but within 5 years from the above-mentioned date in each individual product, will be repaired or replaced with equivalent products, and then resent to the sender at the aforesaid conditions.

C – PRODUCTS RETURNED LATER THAN 5 YEARS
The products that are returned later than 5 years from the production date labelled on the product will be resent to the sender without being subject to any intervention.

GENERAL TERMS AND SALES CONDITIONS

1 – ACCEPTANCE OF THE CONTRACT
Each order is accepted according to the following sales conditions and general terms, unless otherwise agreed, to be confirmed in writing by Perry Electric.

2 - WI-FI PRODUCTS
Perry Electric shall not, under any circumstances, be liable if the products fail to operate due to the interruption of the internet network or unavailability of these resources: Cloud, Server, Portal.

2.1 Internet access costs are charged to users according to the rates of their mobile phone provider.

3 – TERMS OF DELIVERY
Orders are accepted with a delivery date within 45 days, unless otherwise agreed, to be confirmed in writing by Perry Electric.

4 – PRICES
Prices are without VAT.

5 – RISKS
The goods always travel at the risk of the purchaser who, in its own interest, must check the quantity and the conditions of the goods before the collection and eventually express proper reserves to the transporting company.

6 – TRANSPORT
Transport is, if not specifically indicated, at the customers' charge.

7 – SPECIAL VOLTAGE
For orders with supply voltages different from those indicated in the catalogue, there will be at least a 15% increase on the standard price.

8 – NON STANDARD QUANTITIES
For quantities different from the standard packing, there will be a 5% increase on the standard price.

9 – CLAIMS
Claims have to be made in writing to Perry Electric in Veniano (CO) - Italy - via Milanese 11, within 8 days from goods receipt. Perry reserves the right or not to accept the return of eventual faulty devices that have to be sent DDP (Delivery Duty Paid) to our headquarter in Veniano (CO) - Italy - via Milanese 11.

10 – PAYMENT TERMS
Payments must be done for the fixed amount at the fixed dates. In case of delay in payment, even partial, beyond the terms agreed at the time of order, Perry Electric is entitled to apply an interest rate equivalent to the banks' current interest rate increased by 4%.

11 - COMPETENT COURT
The Court of Milan – Italy, will be competent for all disputes.

12 - VERIFICATION OF LOCAL STANDARDS
The importer/distributor is obliged to verify the local standards and regulations of the country of sale/installation of the product.

Technical data and information mentioned in this documentation are subject to modifications. Perry Electric reserves the right to modify the mentioned specifications without prior notice, at any time, according to the evolution of materials and technologies. The products must be installed in compliance with the general standards in force, by qualified electricians. Perry Electric declines any liability in connection with the use of products that provide for special environmental and/or installation standards, whose compliance falls under the competence of the installer.

CATALOGUE 2020

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