



ENERGY SAVING



KPS ENERGY SAVING



KPS ENERGY SAVING

KPS presents its **range of solutions for energy saving**, developed to bring to the market the best product range designed to increase the energy efficiency levels in all kinds of facilities, and designed always on the basis of the following concepts:

- **Quality, reliability and durability**
- **Ease of installation and setup**

Our new range of products includes:

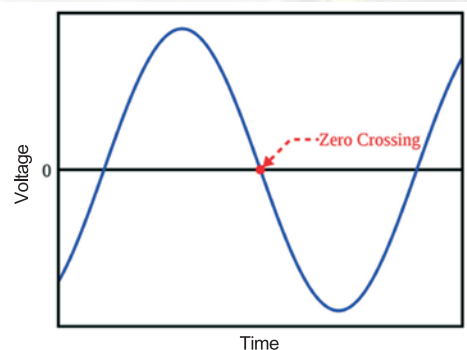
- **Analog and digital time switches**
 - **Staircase timers**
 - **Plug-in time switches**
 - **Twilight switches**
 - **Photocells**
 - **Thermostats**
 - **Hours meters**
 - **Energy meters for DIN rail**
 - **Doorchimes**
 - **Movement and presence detectors**
 - **Sensor lights**
 - **Safety detectors**
- ✓ **European made, high quality products at competitive prices**
 - ✓ **State-of-the-art technologies such as Zero Cross Switching that increase the service life of our products**
 - ✓ **Product endorsed and guaranteed by KPS**

Zero Cross Switching

It extends the life of the product up to a 30%

This technology features a relay which **cuts off the lamp current** when the AC voltage crosses zero. Thereby minimizing the current flowing through the relay, avoiding the wear and tear that it produces and thus **lengthening the maximum life** of both the relay and the time switch.

ZCS TECHNOLOGY
Zero Cross Switching



KPS ENERGY SAVING

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ANALOG AND DIGITAL TIME SWITCHES

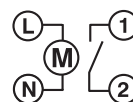
- ✓ Analog models for simple applications and digital ones for more complex applications, there is even the option of using a memory stick for **programming serially electrical panels**.
- ✓ It is the perfect product for **programming any type of load**, lighting, pump, electrically operated valve, etc.
- ✓ State-of-the-art technologies such as **Zero Cross Switching** that increase the service life of our products.
- ✓ **Manufactured in Europe** with the highest quality standards.



Analog time switch 1 module, 24-hour dial

- Power supply: 230VAC, 50-60 Hz. Contact: 16A / 250VAC. 1 DIN rail module
- Version with synchronous motor without power running reserve
- Version with crystal oscillator with power running reserve of 100 h
- Daily program. 15 min switching. Manual ON / AUTO switch
- Sealed lid
- Normally open contact without potential
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

| Article | Code | Program | Minimum switching | Running reserve | Supply voltage |
|-----------------|-----------|---------|-------------------|-----------------|-----------------|
| KPS-IH-DIN1SR15 | 350200117 | Daily | 15 minutes | - | 230VAC, 50-60Hz |
| KPS-IH-DIN1CR15 | 350200118 | Daily | 15 minutes | 100 h | 230VAC, 50-60Hz |

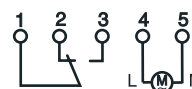


CE

ANALOG AND DIGITAL TIME SWITCHES

Analog time switch 2 modules, 24-hour dial

- Power supply: 230VAC, 50-60 Hz. Contact: 16A / 250VAC. 2 DIN rail modules
- Version with synchronous motor without running reserve
- Version with crystal oscillator with running reserve of 150 h
- Daily program. 30 min switching
- Manual ON / AUTO switch. Sealed lid
- No potential changeover contact
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011



| Article | Code | Program | Minimum switching | Running reserve | Supply voltage |
|-----------------|-----------|---------|-------------------|-----------------|-----------------|
| KPS-IH-DIN2SR30 | 350200119 | Daily | 30 minutes | - | 230VAC, 50-60Hz |
| KPS-IH-DIN2CR30 | 350200120 | Daily | 30 minutes | 150 h | 230VAC, 50-60Hz |

Weekly digital time switch 2 modules, multi-voltage

- Power supply: 24-264VAC/DC, 50-60 Hz
- No potential changeover contact (16A/250VAC)
- LCD backlight display
- 2 DIN rail modules
- Number of channels:
 - KPS-IH-DIGI1EASY: 1 channel
 - KPS-IH-DIGI2EASY: 2 channels
- Number of programs:
 - KPS-IH-DIGI1EASY: 52 programs
 - KPS-IH-DIGI2EASY: 90 programs
- With power reserve of 10 years
- Weekly program
- Operating modes: manual, automatic, holiday
- Free weekday block formation
- Switching from 1 sec for doorbell control
- Manual ON/OFF/AUTO/OVERRIDE control
- Automatic Summer/Winter time changeover
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011



| Article | Code | Output Contacts | Minimum switching | Power reserve | Supply voltage |
|------------------|-----------|-----------------|-------------------|---------------|-----------------------|
| KPS-IH-DIGI1EASY | 350200164 | 1 | 1 second | 10 years | 24-264VAC/DC, 50-60Hz |
| KPS-IH-DIGI2EASY | 350200165 | 2 | 1 second | 10 years | 24-264VAC/DC, 50-60Hz |

ANALOG AND DIGITAL TIME SWITCHES

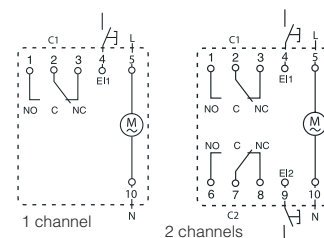
Weekly digital time switch with programming stick 2 modules

- Power supply: 230VAC, 50-60 Hz. 2 DIN rail modules
- 1/2 switched contact(s) of 16A / 250VAC with Zero Cross Switching
- Optional programming stick (KPS-DIGISTICK)
- LCD backlit display. Programming via text menus.
- 64 ON/OFF programs.
- With running reserve of 6 years
- Weekly and holiday program.
- Switching from 1 sec for doorbell control
- External input for control via push buttons and switches
- Cycle function. Automatic summer/winter time changeover
- Manual ON/OFF/AUTO switch. Sealed lid
- Random program for presence simulation
- Hour meter function. No potential changeover contact
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Programme | Minimum switching | Running reserve | Output contacts | Supply voltage |
|--------------------|-----------|-------------------|-------------------|-----------------|-----------------|-----------------|
| KPS-IH-DIGI1MEMORY | 350200122 | Weekly / Holidays | 1 second | 6 years | 1 | 230VAC, 50-60Hz |
| KPS-IH-DIGI2MEMORY | 350200123 | Weekly / Holidays | 1 second | 6 years | 2 | 230VAC, 50-60Hz |



Programming stick for digital time switches

- It allows for the transferring of programs, from the programming stick to the time switch and vice versa
- Once the stick has been inserted, it overwrites the program regardless of the existing program in the time switch
- The perfect solution when you need several time switches to have the same program

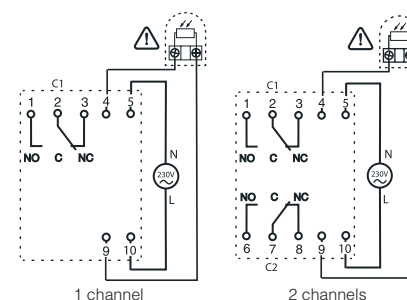


| Article | Code | Features |
|---------------|-----------|--|
| KPS-DIGISTICK | 350200124 | Valid for models: KPS-IH-DIGI1MEMORY, KPS-IH-DIGI2MEMORY, KPS-IH-DIGI1 ASTRO, KPS-IH-DIGI2 ASTRO |

Astronomical time switches for lighting control

- Power supply: 230VAC, 50-60 Hz
- 1/2 switched contact(s) of 16A/250VAC with Zero Cross Switching
- Optional programming stick (KPS-DIGISTICK). LCD backlit display
- Front accessible CR2032 battery, replaceable without having to remove the power supply.
- With running reserve of 6 years. Weekly and holiday program.
- Combines astronomical switching with fixed hour and twilight switching (optional twilight sensor KPS-IH-DIGIASTRO-SONDA)
- Insertion of geographical localization by longitude/ latitude
- Manual correction of ON/OFF switching
- 45 ON/OFF programs. Automatic summer/winter changeover contact
- Manual ON/OFF/AUTO switch.
- Sealed lid
- No potential changeover contact
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Running reserve | Output contacts | Supply voltage |
|-------------------|-----------|-----------------|-----------------|-----------------|
| KPS-IH-DIGI1ASTRO | 350200132 | 6 years | (1)16A/250VAC | 230VAC, 50-60Hz |
| KPS-IH-DIGI2ASTRO | 350200133 | 6 years | (2)16A/250VAC | 230VAC, 50-60Hz |

| Article | Code | Description |
|------------------------|-----------|---|
| KPS-IH-DIGIASTRO-SONDA | 350200153 | Optional twilight sensor for astronomical time switches |

COMBINATION OF DIFFERENT TYPES OF SWITCHING

- Astronomical
- Fixed time
- Twilight

ANALOG AND DIGITAL TIME SWITCHES

Panel mounting analog time switch

- Power supply: 230VAC, 50-60 Hz. Contact: 16A / 250VAC
- Frontal dimensions: 76 x 76 mm. Mounting hole: 67 x 67 or 69 x 69 mm
- Version with synchronous motor without running reserve
- Version with crystal oscillator with running reserve of 72 h
- Daily program. 15 min switching.
- Manual ON/OFF/AUTO switch
- Clock face for easy time adjustment
- Transparent plastic cover
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

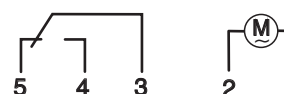
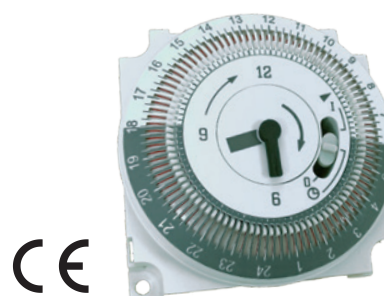
| Article | Code | Program | Minimum switching | Running reserve | Supply voltage |
|-------------|-----------|---------|-------------------|-----------------|-----------------|
| KPS-IH-76SR | 350200129 | Daily | 15 minutes | - | 230VAC, 50-60Hz |
| KPS-IH-76CR | 350200130 | Daily | 15 minutes | 72 hours | 230VAC, 50-60Hz |



Industrial analog time switch modules

- Power supply: 230VAC, 50-60 Hz
- Contact: 16A / 250VAC
- Frontal dimensions: 60 x 60 mm
- Version with synchronous motor without running reserve
- Version with crystal oscillator with running reserve of 72 h
- Daily program. 15 min switching
- Manual ON / OFF / AUTO switch
- Clock face for easy time adjustment
- No potential changeover contact
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011





| Article | Code | Program | Minimum switching | Running reserve | Supply voltage |
|-------------|-----------|---------|-------------------|-----------------|-----------------|
| KPS-IH-FMSR | 350200150 | Daily | 15 minutes | - | 230VAC, 50-60Hz |
| KPS-IH-FMCR | 350200131 | Daily | 15 minutes | 72 hours | 230VAC, 50-60Hz |



ANALOG AND DIGITAL TIME SWITCHES

Quick selection chart

| FUNCTIONS |  KPS-IH-DIN1SR15 ANALOG TIME SWITCH |  KPS-IH-DIN1CR15 ANALOG TIME SWITCH |  KPS-IH-DIN2SR30 ANALOG TIME SWITCH |  KPS-IH-DIN2CR30 ANALOG TIME SWITCH |  KPS-IH-DIG1EASY DIGITAL TIME SWITCH |  KPS-IH-DIG2EASY DIGITAL TIME SWITCH |  KPS-IH-DIG1MEMORY DIG. TIM. SWIT. |  KPS-IH-DIG2MEMORY DIG. TIM. SWIT. |  KPS-IH-DIG1ASTRO ASTRON. TIM. SWIT. |  KPS-IH-DIG2ASTRO ASTRON. TIM. SWIT. |
|-------------------|--|--|--|--|---|---|---|---|---|---|
| Code | 350200117 | 350200118 | 350200119 | 350200120 | 350200164 | 350200165 | 350200122 | 350200123 | 350200132 | 350200133 |
| Installation | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail | DIN rail |
| Supply voltage | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 24-260 VAC/DC, 50/60 Hz | 24-260 VAC/DC, 50/60 Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz |
| Dimensions | 1 DIN module | 1 DIN module | 2 DIN modules | 2 DIN modules | 2 DIN modules | 2 DIN modules | 2 DIN modules | 2 DIN modules | 2 DIN modules | 2 DIN modules |
| Technology | Analog | Analog | Analog | Analog | Digital | Digital | Digital | Digital | Digital | Digital |
| Running reserve | - | 100h rechargeable | - | 150h rechargeable | 10 years | 10 years | 6 years | 6 years | 6 years, batterie interchangeable | 6 years, batterie interchangeable |
| Program | Daily | Daily | Daily | Daily | Weekly | Weekly | Weekly and annual | Weekly and annual | Weekly and annual | Weekly and annual |
| Minimum switching | 15 minutes | 15 minutes | 30 minutes | 30 minutes | 1 sec | 1 sec | 1 sec | 1 sec | 1 sec | 1 sec |
| Memory | - | - | - | - | 52 ON or OFF programs | 90 ON or OFF programs | 64 ON or OFF programs | 64 ON or OFF programs | 45 ON/OFF programs | 45 ON/OFF programs |
| Programming stick | - | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ |
| Manual switch | ON/AUTO | ON/AUTO | ON/AUTO | ON/AUTO | ON/OFF/AUTO/OVERRIDE | ON/OFF/AUTO/OVERRIDE | ON/OFF/AUTO | ON/OFF/AUTO | ON/OFF/AUTO | ON/OFF/AUTO |
| Channels | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 |
| Contact capacity | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC |
| Relay | Normally open | Normally open | Switched | Switched | Switched | Switched | Switched with zero-pass control | Switched with zero-pass control | Switched with zero-pass control | Switched with zero-pass control |

| FUNCTIONS |  KPS-IH-76SR ANALOG TIME SWITCH |  KPS-IH-76CR ANALOG TIME SWITCH |  KPS-IH-FMSR INDUSTRIAL MODULE |  KPS-IH-FMCR INDUSTRIAL MODULE |
|-------------------|--|--|---|---|
| Code | 350200129 | 350200130 | 350200150 | 350200131 |
| Installation | Panel | Panel | Integrated | Integrated |
| Supply voltage | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz |
| Dimensions | 76 x 76 | 76 x 76 | 60 x 60 | 60 x 60 |
| Technology | Analog | Analog | Analog | Analog |
| Running reserve | - | 72 hours | - | 72 hours |
| Program | Daily | Daily | Daily | Daily |
| Minimum switching | 15 minutes | 15 minutes | 15 minutes | 15 minutes |
| Manual switch | ON/OFF/AUTO | ON/OFF/AUTO | ON/OFF/AUTO | ON/OFF/AUTO |
| Channels | 1 | 1 | 1 | 1 |
| Contact capacity | 16A/250VAC | 16A/250VAC | 16A/250VAC | 16A/250VAC |
| Relay | switched | switched | switched | switched |

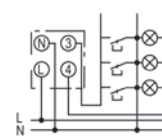
STAIRCASE TIMERS

- ✓ Versions with electromechanical technology or electronic technology
- ✓ **Suitable for LED lamps**, 3-wire and 4-wire connections
- ✓ Suitable for neon push buttons up to 150mA
- ✓ Switch for manual override

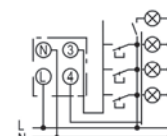
Electronic staircase timer

- Power supply: 230VAC/50/60 Hz. 1 contact of 16A/250VAC. 1 DIN rail module
- 30 sec to 20 min timing. Resettable
- Suitable for operating with 3 and 4 wires, automatic recognition
- Manual ON / AUTO switch. Suitable for neon push buttons up to 150mA.
- Contact capacity:
 - Incandescence: 2 000W / Fluorescence: 1 000VA / Energy saving and LED: 400VA
- According to EN60669-1:1999+A1:2002+A2:2008, EN 60669-2-3:2006

| Article | Code | Operation | Time delay | Contact capacity |
|-----------------|-----------|------------|-----------------|--|
| KPS-TEMPO10ELEC | 350200163 | Electronic | 30 sec - 10 min | Incandescent: 2300W Fluorescent: 1000VA Energy saving and LED: 400VA |



Wiring diagrams
connection to 3 wires

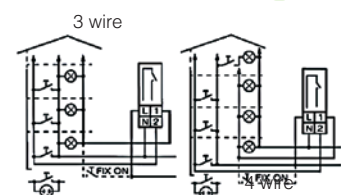


Wiring diagrams
connection to 4 wires

Electromechanical staircase timer

- Power supply: 230VAC/50/60 Hz. 1 contact of 16A/250VAC. 1 DIN rail module
- Bottom terminals that make it compatible with other models
- 1 min to 7 min timing. Resettable
- Suitable for 3 and 4 wires using the side selector
- Manual ON/AUTO switch. Suitable for neon push buttons up to 50mA.
- Contact capacity:
 - Incandescence: 2000W / Fluorescence: 1000VA / Energy saving and LED: 400VA
- According to EN 60669-1:1999+A1:2002+A2:2008, EN 60669-2-3:2006

| Article | Code | Operation | Time delay | Contact capacity |
|---------------|-----------|-------------------|---------------|--|
| KPS-TEMPO7MEC | 350200144 | Electromechanical | 1 min - 7 min | Incandescent: 2000W Fluorescent: 1000VA Energy saving and LED: 400VA |



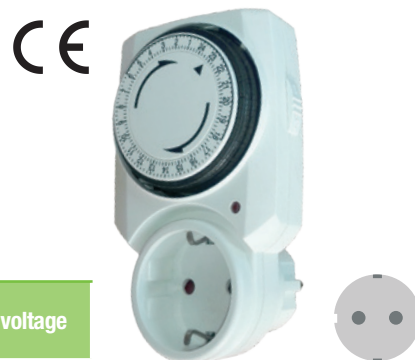
PLUG-IN TIME SWITCHES

- ✓ To **program electrical loads without the need for further installations**
- ✓ **High precision** mechanical version and **wide dial** for a comfortable programming
- ✓ Digital version with **extensive functionality** for more complex programming

Plug-in mechanical time-switch

- Power supply 230VAC/50/60 Hz, contact 16A / 250VAC
- Synchronous motor mechanism
- Wide dial for a comfortable programming and visualization
- Daily program, 15 min switching
- Manual ON/AUTO switch
- LED signal for operational mode
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

| Article | Code | Program | Minimum switching | Running reserve | Output contacts | Supply voltage |
|---------------|-----------|---------|-------------------|-----------------|-----------------|-----------------|
| KPS-IH-PROG15 | 350200125 | Daily | 15 minutes | - | 16A/250VAC | 230VAC, 50-60Hz |



Plug-in digital time-switch

- Power supply 230VAC/50/60 Hz, contact 16A / 250VAC
- 98 ON/OFF programs. With rechargeable running reserve of 60 days
- Weekly program, formation of blocks of days of the week
- Random program and countdown timing
- Button for summer/winter time changeover
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

| Article | Code | Program | Minimum switching | Running reserve | Output contacts | Supply voltage |
|----------------|-----------|---------|-------------------|-------------------------|-----------------|-----------------|
| KPS-IH-DIGIPRO | 350200126 | Weekly | 1 minute | Rechargeable of 60 days | 16A/250VAC | 230VAC, 50-60Hz |



Outdoor plug-in analog time-switch

- Power supply 230VAC, 50-60 Hz, 16A/250VAC contact
- Up to 48 daily ON/OFF programs
- Minimum program time: 30 minutes
- Manual switch ON/OFF/AUTO
- Class protection IP44. Maximum power: 3.680W
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

| Article | Code | Program | Minimum switching | Running reserve | Output contacts | Supply voltage |
|-------------------|-----------|---------|-------------------|-----------------|-----------------|-----------------|
| KPS-IH-PROG30-EXT | 350500009 | Daily | 30 minutes | - | 16A/250VAC | 230VAC, 50-60Hz |



Outdoor plug-in digital time-switch

- Power supply 230VAC, 50-60 Hz, 8A/250VAC contact
- Up to 140 weekly ON/OFF programs
- Countdown function and random function
- Weekly program. Minimum program time: 1 minute
- Button for summer/winter time changeover
- Manual switch ON/OFF/AUTO. Running reserve of 4 months
- Class protection IP44. Maximum power: 1.800W
- According to EN 60730-1:2011, EN 60730-2-7:2010+AC:2011

| Article | Code | Program | Minimum switching | Running reserve | Output contacts | Supply voltage |
|--------------------|-----------|---------|-------------------|-----------------|-----------------|-----------------|
| KPS-IH-DIGIPRO-EXT | 350500010 | Weekly | 1 minute | 4 months | 8A/250VAC | 230VAC, 50-60Hz |



PLUG-IN TIME SWITCHES

Plug-in mechanical time-switch

- This timer can be programmed to have up to 48 commands per day on / off.
- 125V~, 60Hz
- Up to 48 programs per day
- Min operation: 30 minutes



Type B plug, Nema 5, 3 pole USA

NOM



| Article | Code | Minimum switching | Supply voltage |
|-------------|-----------|---|------------------|
| KPS-PEA MEX | 999990313 | Up to 48 programs per day 30 minutes minimum operation | 125V~, 60Hz, 16A |

Plug-in digital time-switch

- You can set specific on / off times for your appliances such as coffee maker, lamps, etc.
- Ideal for energy saving.
- With a large LCD screen, shows the status of the selected program and the real time.
- Maximum of 140 weekly on/off programs
- 125V~, 50-60Hz
- Minimum 1 min interval



Type B plug, Nema 5, 3 pole USA

NOM



| Article | Code | Memory | Supply voltage |
|-------------|-----------|---|---------------------|
| KPS-PED MEX | 999990314 | Minimum interval 1 min Up to 140 weekly programs | 125V~, 50-60Hz, 16A |

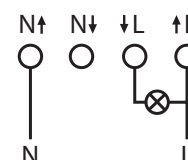
TWILIGHT SWITCHES

- ✓ Suitable for **controlling all types of outdoor lighting**, whether it is public street lighting systems, signs, driveway lightning or building entrances.
- ✓ **Wall version** with optional auto-off function, as well as **pole version**, both **IP54**.
- ✓ Built-in **security timing** to avoid false switching.

Wall-mounting twilight switch IP54

- Power supply: 230VAC, 50-60 Hz. 1 contact of 10A / 250VAC
- For wall mounting
- Protection degree IP54, suitable for outdoor applications
- 1 minute on/off security timing to prevent false switching
- Twilight setting from 3 to 500 lux. Adjustment LED
- Optional switching OFF timing for 1 to 9 hours from the moment it is activated
- According to EN 60669-1:1999; EN 60669-2-1:2004

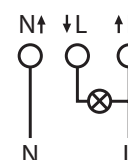
| Article | Code | Mounting | Twilight setting | Protection degree | Supply voltage |
|----------------|-----------|----------|------------------|-------------------|-----------------|
| KPS-IC200TEMPO | 350200113 | Wall | 3 - 500 lux | IP 54 | 230VAC, 50-60Hz |



Pole-mounting twilight switch IP54

- Power supply 220-240VAC, 50-60 Hz. 1 contact of 10A / 250VAC
- For pole mounting
- Protection degree IP 54, suitable for outdoor placement
- 1 min on/off security timing to prevent false switching
- Twilight setting from 5 to 300 lux
- Externally accessible ajustable potentiometer
- According to EN 60669-1:1999; EN 60669-2-1:2004

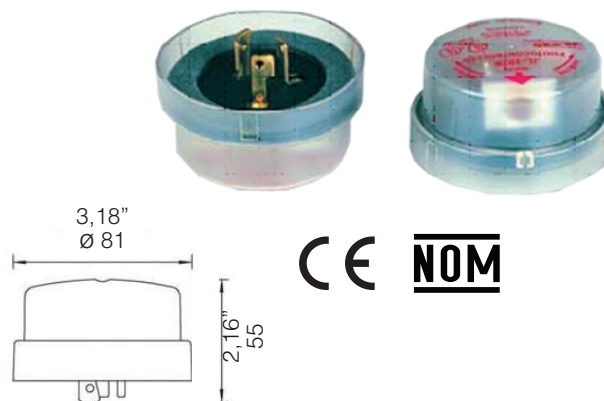
| Article | Code | Mounting | Twilight setting | Protection degree | Supply voltage |
|-----------|-----------|-------------|------------------|-------------------|---------------------|
| KPS-IC300 | 350200136 | Wall / Pole | 5 - 300 lux | IP 54 | 220-240VAC, 50/60Hz |



PHOTOCELLS

•Mechanical photocell for lighting control

- Photocontrol for lighting control according to ANSI C136.10
- Bimetallic switch operation
- UV stabilized polycarbonate housing
- Impact resistant base made of PBT
- Ignition bright threshold: 10-20 lux (dusk)
- Light off threshold: 30-60 lux (sunrise)
- Fail-OFF mode. Delay time to avoid unwanted maneuvers: 30-120 sec
- Supply voltage: 110-130V ~, 220-240V ~
- Power frequency: 60 Hz. Power consumption: Max. 1.5VA
- Contact Capacity: 1800W Tungsten / 1000VA Ballast
- Rated temperature range from -40 ° C to + 70 ° C
- Operating relative humidity: max. 96%
- Transparent color. UL certified. IP 65
- Photocell according to Mexican Standard NOM-003-SCFI-2000



CE NOM

| Article | Code | Color | Contact capacity | Supply voltage |
|-------------------|-----------|-------------|----------------------------------|-----------------|
| KPS-FC1000TH 220V | 350990107 | Transparent | 1.000W Tungsten / 1800VA Ballast | 220-240V~, 60Hz |

•Electronic photocell for lighting control

- Photocontrol for lighting control. NEMA connect and rotate via 3 terminals
- LDR photoresist lighting control
- Ignition light threshold: 35 - 65 lux. On / off factor of 5
- UV stabilized polycarbonate housing
- Supply voltage: 105-285V ~. Power frequency: 50-60Hz
- Contact capacity: Incandescence: 1.000W / 1.800VAmx Cosφ≥ 0.4
- 3-wire connection. Degree of protection IP54
- ABS body and base with high impact resistance
- Brass contacts. Rated temperature range from -40 ° C to + 70 ° C
- Weight: 80 g. Diameter: 81mm, height: 55mm. Color: standard blue
- Optional: Overvoltage protection (MOV) after definition
- Photocell according to Mexican Standard NOM-003-SCFI-2000

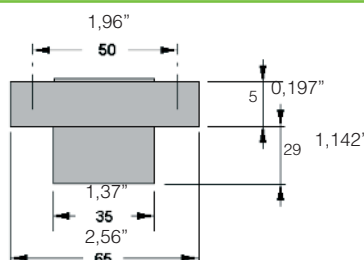


CE NOM

| Article | Code | Color | Contact capacity | Supply voltage |
|-------------|-----------|-------|-----------------------|----------------|
| KPS-FC500MX | 350990105 | Blue | Incandescence: 1.000W | 105-285V~ |

•Photocell base

- Valid for photocontrol KPS-FC500MX
- Supply voltage: 120 / 220V ~
- Frequency: 60Hz
- Cables: 14AWG, 25cm length black, white and red
- Operating temperature: -40 ° C ~ + 70 ° C
- Output contact: 10A



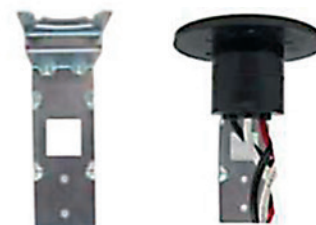
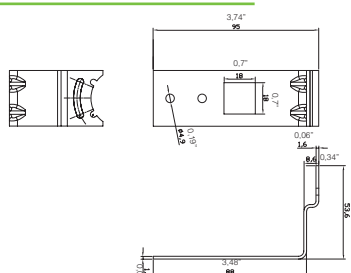
CE NOM

| Article | Code | Color | Output contact | Supply voltage |
|---------|-----------|-------|----------------|-----------------|
| KPS-BFC | 350990108 | Black | 10A | 120/220V~, 60Hz |

•Metal bracket for photocell

- Wall-mounted metallic bracket for photocell.

| Article | Code | Description |
|---------|-----------|-----------------------------|
| KPS-AFC | 350990118 | Metal bracket for photocell |

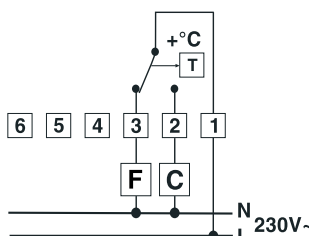


THERMOSTATS

- ✓ Expandable gas membrane technology, that gives the thermostats **durability** and **precision** when regulating temperature.
- ✓ All the **models allow for heating and cooling control** through its changeover contact.
- ✓ Versions with ON/OFF switch to enable/disable the heating/cooling equipment, in addition to a **LED indicator for the load connection**.

Analog thermostat

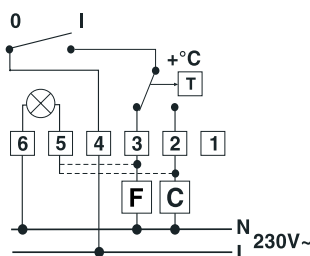
- Expandable gas membrane technology. Potential-free switched contact 10(2) A/250VAC
- Wall mounting. Does not need power supply, 2-wire connection
- For cooling (NC)/ heating (NA) equipment control
- Temperature control of + 5° C to + 35° C. ON / OFF switching with fixed temperature differential
- Temperature setting via graduated dial with the possibility of locking on a temperature range
- According to EN 60730-1:2011, EN 60730-2-9:2010



| Article | Code | Features |
|-----------------|-----------|-------------------------------------|
| KPS-TERMO | 350200145 | Cooling and heating control |
| KPS-TERMO-MARCO | 350200148 | Frame for mounting in appliance box |

Analog thermostat with ON/OFF switch

- Expandable gas membrane technology
- Wall mounting. Does not need power supply, 2-wire connection
- Potential-free changeover contact 10(2) A/250VAC
- For cooling (NC)/ heating (NA) equipment control. Temperature control of + 5° C to + 35° C
- ON/OFF switch to enable/disable the heating/cooling system
- LED indicator for ON
- ON/OFF switching with fixed temperature differential
- Temperature setting via graduated dial with the possibility of locking on a temperature range
- According to EN 60730-1:2011, EN 60730-2-9:2010



| Article | Code | Features |
|------------------|-----------|--|
| KPS-TERMO-ON/OFF | 350200146 | Cooling and heating control ON/OFF switch LED indicator for ON |
| KPS-TERMO-MARCO | 350200148 | Frame for mounting in appliance box |

Digital thermostat

- Digital thermostat for heating or cooling units
- Wall mounting
- LCD screen with backlight display for viewing the room temperature and set-point temperature
- Potential-free changeover contact with a maximum capacity of 3A
- Programming in 6 daily intervals for working days and 2 daily intervals for weekend
- Range of measured temperature: + 5° C to + 99° C
- Accuracy of measured temperature: 0.5° C
- Range of set temperature: + 5° C to + 35° C
- Frost protection mode
- Room temperature calibration function
- Powered by 2 AA x 1.5V batteries (not included)
- Dimensions: 86x86x28 mm
- According to EN 60730-1:2011, EN 60730-2-9:2010



| Article | Code | Features |
|-----------------------|-----------|-----------------------------|
| CONFORTLINE TERMODIGI | 300300064 | Cooling and heating control |

THERMOSTATS

Digital programmable thermostat

- Digital programmable thermostat for heating or cooling units
- Wall mounting
- LCD screen with backlight display for viewing the room temperature and the set-point temperature
- Potential-free changeover contact with a maximum capacity of 5A/250V
- Manual, automatic or holiday mode
- Hour-by-hour programming. Two pre-set programs included
- Manual setting of comfortable and energy-saving temperatures
- Range of measured temperature: + 5° C to + 40° C
- Accuracy of measured temperature: 0.5° C
- Range of set temperature: + 5° C to + 35° C
- Frost protection mode
- Room temperature calibration function
- Powered by 2 AA x 1.5V batteries (not included). Dimensions: 86x86x28 mm
- According to EN 60730-1:2011, EN 60730-2-9:201



| Article | Code | Features |
|-------------------|-----------|-----------------------------|
| CONFORTLINE CRONO | 300300065 | Cooling and heating control |

Digital RF programmable thermostat

- Digital programmable thermostat for heating or cooling units
- Wall mounting
- Transmitter and a receiver communicated via radio frequency. Range up to 100 m (more than 30 m inside buildings)
- LCD screen with backlight display for viewing the room and set-point temperature
- Free-potential changeover contact with a maximum capacity of 5A/230V
- Manual, automatic or holiday mode
- Programming in 6 daily intervals. Two pre-set programs included
- Range of measured temperature: + 5° C to + 40° C
- Accuracy of measured temperature: 0.5° C
- Range of set temperature: + 5° C to + 35° C
- Room temperature calibration function
- Power supply: transmitter: 2 AA x 1.5 V batteries (not included); receiver: connected to the mains (230V 50/60 Hz). Dimensions: transmitter: 86x86x29 mm; receiver: 86x86x29 mm
- According to EN 60730-1:2011, EN 60730-2-9:2010



| Article | Code | Features |
|----------------------|-----------|-----------------------------|
| CONFORTLINE CRONO RF | 300300066 | Cooling and heating control |







Digital Wifi programmable thermostat

- Wifi digital programmable thermostat for heating units
- Installation in flush-mount box
- Remote control via Wifi by mobile App. Compatible with Alexa
- TUYA platform connectivity, allows the control of different devices with one App
- LCD screen with backlight display for viewing the room temperature and the set-point temperature
- Free-potential normally-open contact with a maximum capacity of 3A/230V
- Manual, automatic or holiday mode
- Programming in 6 daily intervals
- Range of measured temperature: + 0° C to + 70° C
- Accuracy of measured temperature: 0.5° C
- Range of set temperature: + 5° C to + 35° C
- Room temperature calibration function
- Power supply: connected to the mains (90-240V 50/60 Hz). Dimensions: 86x86x44 mm
- According to EN 60950-1:2006



| Article | Code | Features |
|-------------------------|-----------|-----------------|
| CONFORTLINE CRONO SMART | 300300067 | Heating control |

Quick selection chart

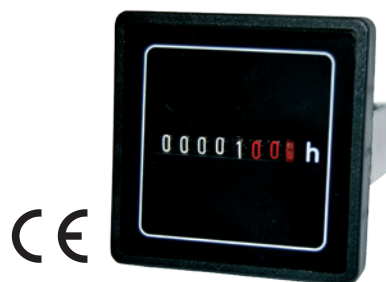
| FUNCTIONS |  KPS-TERMO ANALOG THERMOSTAT |  KPS-TERMO-ON/OFF ANALOG THERMOSTAT WITH ON/OFF SWITCH |  CONFORTLINE TERMODIGI DIGITAL THERMOSTAT |  CONFORTLINE CRONO DIGITAL PROGRAMMABLE THERMOSTAT |  CONFORTLINE CRONO RF DIGITAL RF PROGRAMMABLE THERMOSTAT |  CONFORTLINE CRONO SMART DIGITAL WIFI PROGRAMMABLE THERMOSTAT |
|---------------------------|--|--|---|---|--|---|
| Code | 350200145 | 350200146 | 300300064 | 300300065 | 300300066 | 300300067 |
| Functioning | Expandable gas membrane | Expandable gas membrane | - | - | - | - |
| Application | Cooling and heating control | Cooling and heating control | Cooling and heating control | Cooling and heating control | Cooling and heating control | Heating control |
| Mounting | Wall or switch box mounting | Wall or switch box mounting | Wall mounting | Wall mounting | Wall mounting | Switch box mounting |
| Dimensions | 76x81x40 mm | 76x81x40 mm | 86x86x28 mm | 86x86x29 mm | Transmitter: 86x86x29 mm Receiver: 86x86x29 mm | 86x86x44 mm |
| Connection | 2 wires | 2 wires | 2 wires | 2 wires | 2 wires | 4 wires |
| Power supply | | | 2 batteries AA 1.5V | 2 batteries AA 1.5V | Transmitter: 2 batteries AA 1.5V Receiver: 230V 50/60Hz | 90-240V 50/60Hz |
| Contact | Potential-free changeover contact 10A/250VAC | Potential-free changeover contact 10A/250VAC | Potential-free changeover contact 3A/230VAC | Potential-free changeover contact 5A/250VAC | Potential-free changeover contact 5A/230VAC | Potential-free Normally-open contact 3A/250VAC |
| Temperature range control | +5°C a +30°C | +5°C a +30°C | +5°C a +35°C | +5°C a +35°C | +5°C a +35°C | +5°C a +35°C |
| Precision | - | - | 0.5 °C | 0.5 °C | 0.5°C | 0.5°C |
| Operating modes | - | - | Manual or automatic | Manual, automatic or holidays | Manual, automatic or holidays | Manual, automatic or holidays |
| Programming | - | - | 1 configurable weekly program | 3 weekly programs, 2 fixed and 1 configurable | 3 weekly programs, 2 fixed and 1 configurable | 1 configurable weekly program |
| Programming intervals | - | - | Business days: 6 intervals Weekend: 2 intervals | Hourly programming | 6 daily intervals | 6 daily intervals |
| RF communication | - | - | - | - | >30 m inside buildings | - |
| Operating indicator | - | LED | - | - | - | - |
| Wifi control via app | - | - | - | - | - | √ |
| Backlight display | - | - | √ | √ | √ | √ |
| Manual switch | - | Heating ON/OFF | - | - | - | - |

HOURS METERS

- ✓ Hour meters measure the **hours of operation of any electrical load**, and thus allow to perform preventive maintenance on machines, monitor guarantees, pricing, etc.
- ✓ Version for embed in machinery as well as on DIN rail for electrical panels.

Panel mounting hour meters

- Power supply 230VAC / 50 Hz. Synchronous motor mechanism
- Panel mounting. Frontal panel 55 x 55 mm. Fixing hole 46x46 mm
- Metering capacity 99,999, 99 h
- Not resettable. Protection degree IP54
- 2-wire connection in parallel with the load
- According to EN 61010-1:2010, EN 61000-6-2:2005, EN 61000-6-3:2007+A1:2011/AC:2012



| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage* |
|----------------|-----------|----------------|-----------------------------|-------------------|-----------------|
| KPS-CONTA55EMP | 350200127 | Panel mounting | Frontal panel 55 x 55 mm | 99.999,99 h | 230VAC, 50Hz |

*Check for other operating voltages and frequencies.

Hour meter for DIN rail

- Power supply 230VAC / 50 Hz
- Synchronous motor mechanism. 2 DIN rail modules
- Metering capacity 99 999,99 h. Not resettable
- 2-wire connection in parallel with the load
- According to EN 61010-1:2010, EN 61000-6-2:2005, EN 61000-6-3:2007+A1:2011/AC:2012

| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage* |
|---------------|-----------|----------|-----------------------|-------------------|-----------------|
| KPS-CONTA2DIN | 350200128 | DIN rail | 2 modules DIN rail | 99.999,99 h | 230VAC, 50Hz |

*Check for other operating voltages and frequencies.



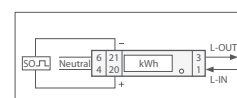
ENERGY METERS FOR DIN RAIL

- ✓ There is an ever-growing trend towards energy saving measures, and it is becoming increasingly important to **measure the energy consumption** of the different circuits and/or electric loads.
- ✓ Our range of energy meters allows for the measuring of consumption in any type of circuit and with different technologies; single phase circuits and three-phase with different current capacities, with analog and digital technology.
- ✓ Its **high accuracy** (Accuracy class 1 according to IEC62053) ensures **measuring reliability at all times**.

Single-phase analog energy meter

- Single phase analog energy meter, direct reading 1 module wide
- Metering capacity 99 999.9 kWh. Not resettable. Sealable
- Nominal voltage 230 VAC \pm 20%. Base current 5A, current limit 45A
- Pulse output type S0 and optics via LED, 1. 000imp / kWh:
 - Voltage: 12-27VDC. Maximum current <27mA
 - Maximum cable length: 20 m. Pulse duration: 90ms
- According to EN 61010-1:2010, EN 62052-011:2003, EN 62053-21:2003

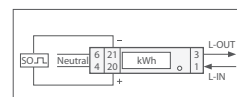
| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage |
|-----------------|-----------|----------|-------------------|-------------------|------------------------|
| KPS-ME-50MEC 1F | 350200137 | DIN rail | 1 module DIN rail | 99.999,9 kWh | 230VAC \pm 20%, 50Hz |



Single-phase digital energy meter

- Single phase digital energy meter, direct reading, 1 module wide
- Metering capacity 99 999.99 kWh Not resettable. Sealable
- Nominal voltage 230 VAC \pm 20%. Base current 5A, current limit 45A
- Pulse output type S0 and optics via LED, 1. 000imp / kWh:
 - Voltage: 12-27VDC. Maximum current <27mA
 - Maximum cable length: 20 m. Pulse duration: 90ms
- According to EN 61010-1:2010, EN 62052-011:2003, EN 62053-21:2003

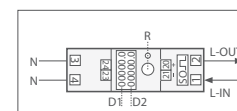
| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage |
|------------------|-----------|----------|-------------------|-------------------|------------------------|
| KPS-ME-50DIGI 1F | 350200138 | DIN rail | 1 module DIN rail | 99.999,99 kWh | 230VAC \pm 20%, 50Hz |



Single-phase digital energy meter

- Single-phase digital energy meter, direct reading. 2 modules wide
- Metering capacity up to 99 999.99 kWh
- Total count (not resettable) and partial count (resettable). Sealable
- Nominal voltage 230 VAC \pm 20%. Current base 5A, limit current 80A
- Pulse output type S0 and optics via LED, 1. 000imp / kWh
 - Voltage: 12-27VDC. Maximum current <27mA
 - Maximum cable length: 20 m. Pulse duration: 90ms
- According to EN 61010-1:2010, EN 62052-011:2003, EN 62053-21:2003

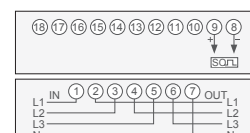
| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage |
|------------------|-----------|----------|--------------------|-------------------|------------------------|
| KPS-ME-80DIGI-1F | 350200139 | Rail DIN | 2 modules DIN rail | 99.999,99 kWh | 230VAC \pm 20%, 50Hz |



Three-phase digital energy meter

- Three-phase digital energy meter, direct reading. 7 modules wide
- Metering capacity up to 99 999.99 kWh Not resettable. Sealable
- Rated voltage 3x230 / 400VAC \pm 15%. Base current 10A, limit current 100A
- Pulse output type S0 and optics via LED, 1. 000imp / kWh
 - Voltage: 12-27VDC. Maximum current <27mA
 - Maximum cable length: 20 m. Pulse duration: 90ms
- According to EN 61010-1:2010, EN 62052-011:2003, EN 62053-21:2003

| Article | Code | Mounting | Dimensions | Metering capacity | Supply voltage |
|-------------------|-----------|----------|-----------------|-------------------|------------------------------|
| KPS-ME-100DIGI-3F | 350200140 | DIN rail | 7 mod. DIN rail | 99.999,99 kWh | 3x230/400VAC \pm 15%, 50Hz |



DOORCHIMES

- ✓ Doorbells and buzzers for **domestic and commercial uses**
- ✓ **Electromechanical** or **electronic** operation
- ✓ Battery powered **wireless** or **wired** versions

Electromechanical buzzer

- 230VAC, 50-60 Hz.
- Compact size.
- High sound level.
- According to EN 60335-1:2012

| Article | Code | Installation | Connection | Supply voltage |
|------------|-----------|--------------|------------|-----------------|
| KPS-BUZZER | 350200141 | Wall | 2-wire | 230VAC, 50/60Hz |



Ding-dong doorbell

- Electromechanical ding-dong doorbell. Power supply: 230VAC, 50-60 Hz.
- 10,000 turn coil that gives it a long service life
- High powered sound, suitable for household environments
- According to EN 62368-1:2014

| Article | Code | Installation | Connection | Supply voltage |
|-------------|-----------|--------------|------------|-----------------|
| KPS-TIMBDUO | 350200142 | Wall | 2-wire | 230VAC, 50/60Hz |



Wireless electronic doorbell

- Portable wireless doorbell. Electronic operation
- 36 chime melodies (selectable from the transmitter)
- Light indicator when the bell is sounding. Transmitter with label holder
- According to EN 62479-1:2010

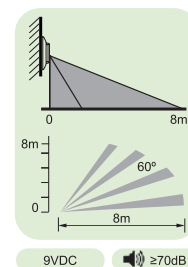
| Article | Code | Installation | Communication distance | Supply voltage |
|------------------------------|-----------|--------------|------------------------|--|
| KPS-TIMBWLESS | 350200143 | Wall | 80 m | Transmitter: 1 battery A23 (included) Receiver: 3 batteries AA (included) |
| KPS-TIMBWLESS 200 | 350200171 | Wall | 200 m | Transmitter: 1 battery CR 2032 3V (included) Receiver: 2 batteries AA 1,5V (not included) |
| KPS-TIMBWLESS 150 ENCHUFABLE | 350200172 | Wall | 150 m | Transmitter: 1 battery CR 2032 3V (included) Receiver: 220-240 VAC |



Mini sensor alarm with integrated presence detector

- Mini sensor alarm with integrated presence detector. Detection range: 60°
- Detection distance: 8 m. Sound: 70 dB
- 3 positions: chime (ring function), alarm and OFF
- According to EN 61000-6-3:2007, EN 50130-4:2011

| Article | Code | Installation | Connection | Supply voltage |
|---------------------------------|-----------|--------------|------------|---------------------------|
| Doorbell with presence detector | 999990312 | Wall | 2-wire | 1 x 9V battery (included) |



MOVEMENT AND PRESENCE DETECTORS

- ✓ In **KPS' range of movement detectors** there is a series of detectors that cover all kinds of uses, as well as **sensor lights**, which are the perfect product for renovations thanks to their simple and fast **two-wire** installation.
- ✓ This range is **suitable for LED lamps**, and have been designed with advanced control technologies such as **Zero Cross switching**, which **extends the service life** of the product.
- ✓ **Quality, reliability** and **durability** are the bases of this new range of product

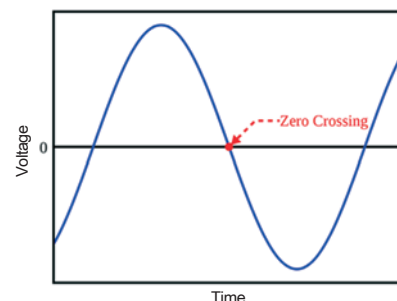


Zero Cross Switching

It extends the life of the product up to a 30%

This technology features a relay which **cuts off the lamp current** when the AC voltage crosses zero. Thereby minimizing the current flowing through the relay, avoiding the wear and tear that it produces and thus **lengthening the maximum life** of both the relay and the time switch.

ZCS TECHNOLOGY
Zero Cross Switching



PIR technology (passive infrareds)

The movement detectors with PIR technology are designed to **detect moving heat sources** within their field of action, turning on and off the lights automatically.

We have developed using this technology high-sensitivity sensors that use **infrared electromagnetic waves**, which are invisible to the human eye.

These sensors translate the thermal radiation of objects into electrical signals.



RADAR technology (high frequency)

Those detectors that are based on this technology are **active detectors**, i.e. they emit electromagnetic waves and measure the reflected waves on their way back to the detector.

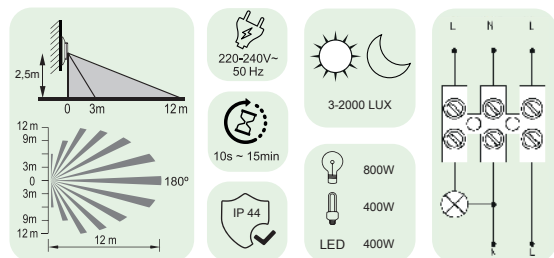
This technology is **much more sensitive** than PIR technology, detecting minimal movements by analyzing the waveform and frequency.



MOVEMENT AND PRESENCE DETECTORS

Wall mini movement detector

- Mini format for wall-mounting installation
- Horizontally and vertically adjustable head
- 180° coverage and maximum reach of 12 m
- According to EN 60669-2-1:2004



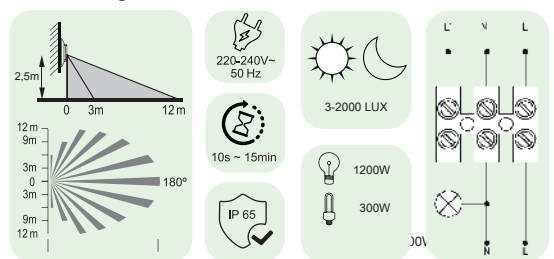
ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|-----------------------|-----------|-------------------|---------------------------|---------------------|---|------------------------|
| DETELUX 180 MINI 220V | 350200114 | 180° | 12 m (at 2,5 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving lamps: 400W LED lamps: 400W | 220-240VAC, 50/60Hz |
| DETELUX 180 MINI 110V | Consult | 180° | 12 m (at 2,5 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving lamps: 400W LED lamps: 400W | 110-130VAC, 50/60Hz |

Outdoor movement detector

- Protection degree IP65, suited for outdoor use.
- Horizontally and vertically adjustable head
- 180° coverage and maximum reach of 12 m
- According to EN 60669-2-1:2004



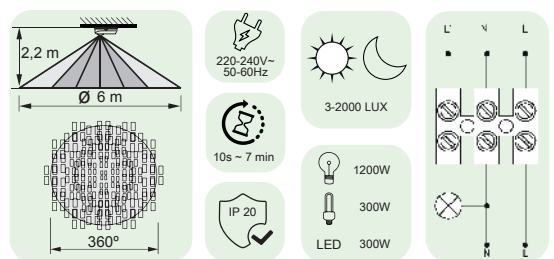
ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|--------------------|-----------|-------------------|---------------------------|---------------------|--|------------------------|
| DETELUX 180IP 220V | 350100102 | 180° | 12 m (at 2,5 m height) | 3 - 2000 lux | Incandescence: 1200W / Energy saving lamps: 300W / LED lamps: 300W | 220-240VAC, 50/60Hz |
| DETELUX 180IP 110V | 350100103 | 180° | 12 m (at 2,5 m height) | 3 - 2000 lux | Incandescence: 800W / Energy saving lamps: 200W / LED lamps: 200W | 110-130VAC, 50/60Hz |

Ceiling mounting movement detector

- Led indicator of movement detection
- Externally accessible potentiometer
- 360° detection coverage
- According to EN 60669-2-1:2004

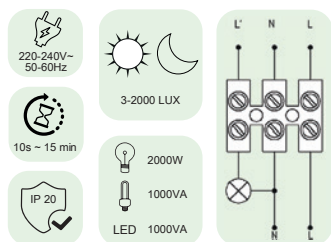
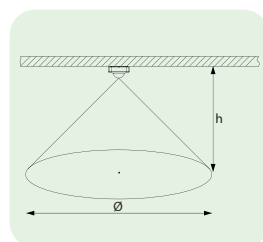
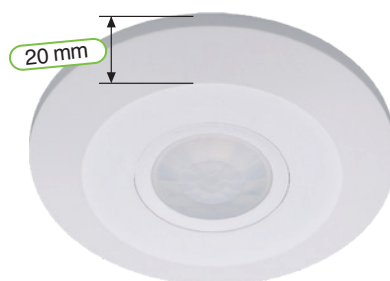


| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|-------------------------|-----------|-------------------|-----------------------------------|---------------------|--|------------------------|
| DETELUX 360 SU PRO 220V | 350200100 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 1200W Energy saving and LED lamps: 300W | 220-240VAC, 50/60Hz |
| DETELUX 360 SU PRO 110V | 350200106 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving and LED lamps: 300W | 110-130VAC, 50/60Hz |

MOVEMENT AND PRESENCE DETECTORS

Ceiling mounting slimline presence detector

- Ceiling mounting slimline presence detector, only 2 cm high
- The same 360° coverage as other ceiling mounting conventional detectors.
- 2000W relay with high switching power
- According to EN 60669-2-1:2004



| Installation height (h) | Coverage area (Ø) |
|-------------------------|-------------------|
| 2,2 m | 6 m |
| 3 m | 10 m |
| 3,5 m | 10 m |



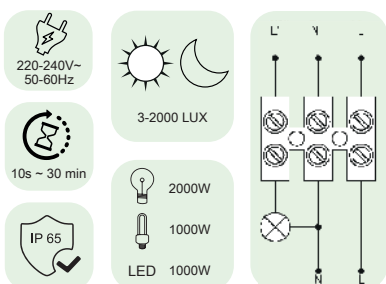
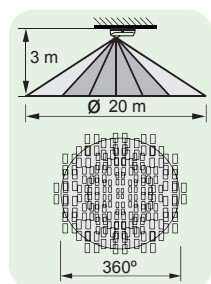
ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|--------------------------|-----------|-------------------|--------------------------------|---------------------|---|---------------------|
| DETELUX 360 SU SLIM 220V | 350200115 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 2000W / Energy saving and LED lamps: 1000W | 220-240VAC, 50/60Hz |
| DETELUX 360 SU SLIM 110V | 350200152 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 2000W / Energy saving and LED lamps: 1000W | 110-130VAC, 50/60Hz |

Presence detector for large areas and corridors

- Ceiling mounting presence detector with 3 sensors
- Large detection area, 20 m diameter
- 2000W relay with high switching power
- According to EN 61058-1:2002



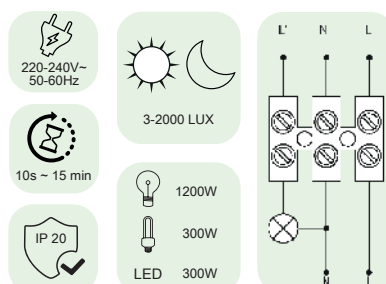
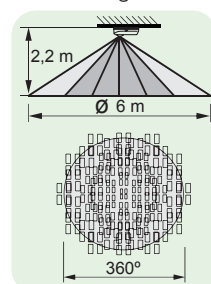
ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Angle of coverage | Protection degree | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|-------------------------|-----------|-------------------|-------------------|-------------------------------|---------------------|---|---------------------|
| DETELUX 360GS 220V IP65 | 350400106 | 360° | IP65 | 20 m diameter (at 3 m height) | 3 - 2000 lux | Incandescence: 2000W / Energy saving and LED lamps: 1000W | 220-240VAC, 50/60Hz |
| DETELUX 360GS 110V IP65 | Consult | 360° | IP65 | 20 m diameter (at 3 m height) | 3 - 2000 lux | Incandescence: 1000W / Energy saving and LED lamps: 500W | 110-240VAC, 50/60Hz |

False ceiling movement detector

- Downlight format for installations in false ceilings
- 360° Detection coverage
- Easy and fast to setup up and install
- According to EN 60669-2-1:2004



ZCS TECHNOLOGY
Zero Cross Switching

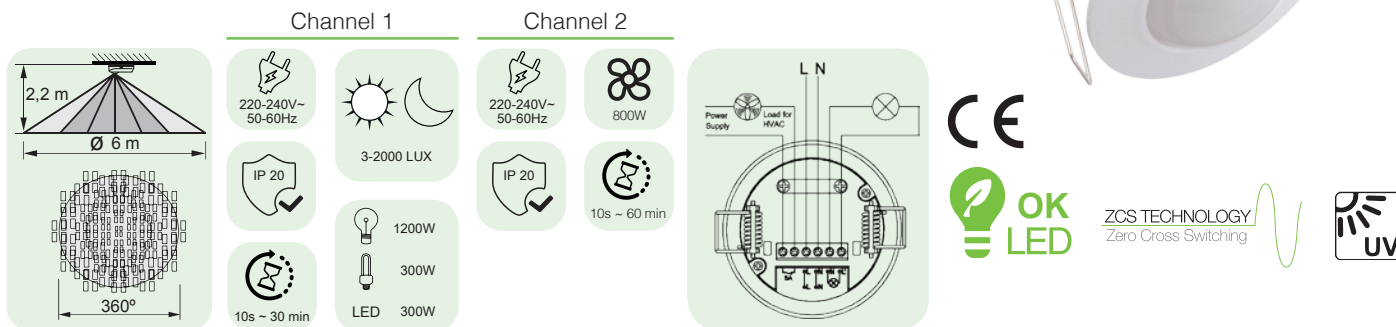


| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|------------------------|-----------|-------------------|--------------------------------|---------------------|---|---------------------|
| DETELUX 360FC PRO 220V | 350200101 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 1200W Energy saving and LED lamps: 300W | 220-240VAC, 50/60Hz |
| DETELUX 360FC PRO 110V | 350200103 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving and LED lamps: 300W | 110-130VAC, 50/60Hz |

MOVEMENT AND PRESENCE DETECTORS

2-Channel false ceiling movement detector

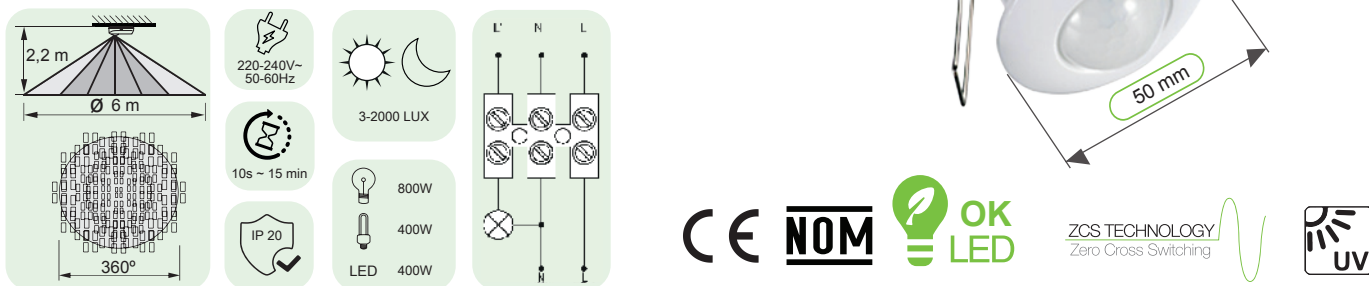
- Downlight format for installations in false ceilings.
- 360° detection coverage
- Lux and time adjustment for channel 1 (lighting) and time adjustment for channel 2 (Ventilating).
- Pulse output could be selected for channel 1 in order to connect the detector to a staircase timer.
- According to EN 60669-2-1:2004



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|----------------------------|-----------|-------------------|--------------------------------|---------------------------|---|---------------------|
| DETELUX 360FC 2CH PRO 220V | 350200168 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux (only ch. 1) | Channel 1: Incandescence: 1200W; Energy saving and LED lamps: 300W Channel 2: 800W | 220-240VAC, 50/60Hz |
| DETELUX 360FC 2CH PRO 110V | Consult | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux (only ch. 1) | Channel 1: Incandescence: 800W; Energy saving and LED lamps: 200W Channel 2: 500W | 110-130VAC, 50/60Hz |

False ceiling mini movement detector

- False ceiling mini movement detector, utmost discretion
- Head of just 5 cm diameter
- Externally accessible potentiometer behind the external ring
- According to EN 60669-2-1:2004

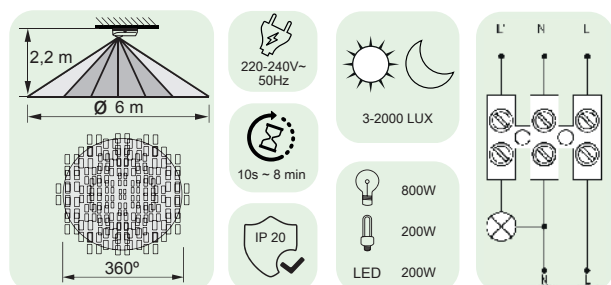


| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|------------------------------|-----------|-------------------|--------------------------------|---------------------|--|---------------------|
| DETELUX 360 FC MINI PRO 220V | 350200102 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving and lamps: 400W | 220-240VAC, 50/60Hz |
| DETELUX 360 FC MINI PRO 110V | 350200104 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 500W Energy saving and lamps: 400W | 110-130VAC, 50/60Hz |

MOVEMENT AND PRESENCE DETECTORS

False ceiling micro movement detector

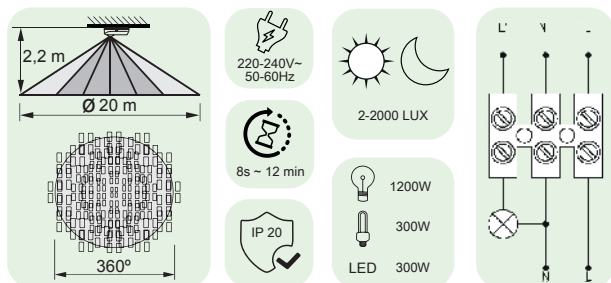
- False ceiling micro movement detector, head of just 2 cm diameter
- For installation in false ceilings, interior of closets, etc.
- Time and lux adjustment
- According to EN 60669-2-1:2004



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|---------------------------|-----------|-------------------|--------------------------------|---------------------|---|--------------------|
| DETELUX 360 FC MICRO 220V | 390100003 | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 800W Energy saving lamps: 200W LED lamps: 200W | 220-240VAC, 50Hz |
| DETELUX 360 FC MICRO 110V | Consult | 360° | 6 m diameter (at 2,2 m height) | 3 - 2000 lux | Incandescence: 500W Energy saving lamps: 100W LED lamps: 100W | 110-130VAC 50/60Hz |

Movement detector hidden in false ceiling

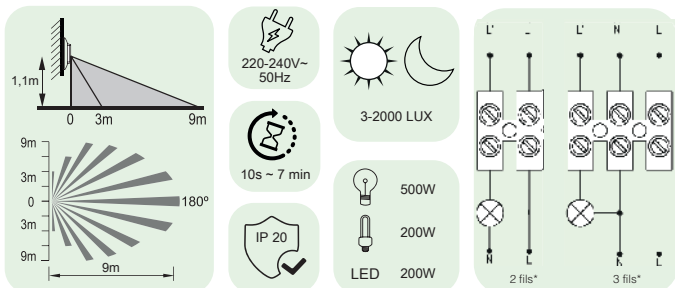
- It detects through surfaces, allowing you to install the product above false ceilings, remaining hidden
- 5.8 GHz high frequency technology
- Great coverage of up to 20 m in diameter (adjustable from 2 to 20 m)
- According to EN 60669-2-1:2004



| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|--------------|-----------|-------------------|---------------------------------|---------------------|--|---------------------|
| DETELUX HF01 | 350400003 | 360° | 20 m diameter (at 2,2 m height) | 2 - 2000 lux | Incandescence: 1200W Energy saving lamps: 300W LED lamps: 300W | 220-240VAC, 50/60Hz |

Movement detector for wiring devices boxes

- 2, 3-wire connection, perfect for renovations
- Manual ON / OFF / AUTO switch
- The potentiometer and switch remain hidden behind the protective cover, to avoid any tampering
- According to EN 60669-2-1:2004



*Minimum power required: 5W to 2 wires

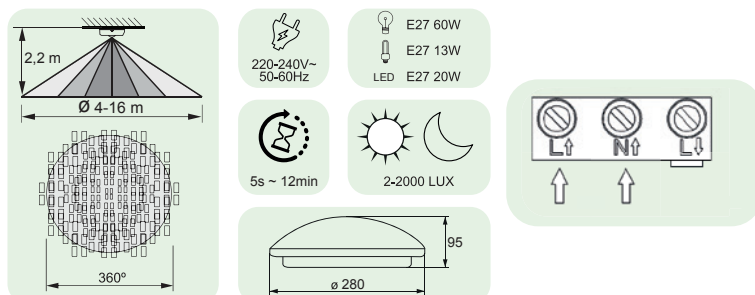


| Article | Code | Angle of coverage | Area of coverage | Adjustment twilight | Contact capacity | Supply voltage |
|---------------------|-----------|-------------------|-----------------------|---------------------|---|---------------------|
| DETELUX 180 BOX DUO | 350200116 | 180° | 9 m (at 1,1 m height) | 3 - 2000 lux | Incandescence: 500W Energy saving lamps: 200W LED lamps: 200W | 220-240VAC, 50/60Hz |

SENSOR LIGHTS

RADAR sensor light

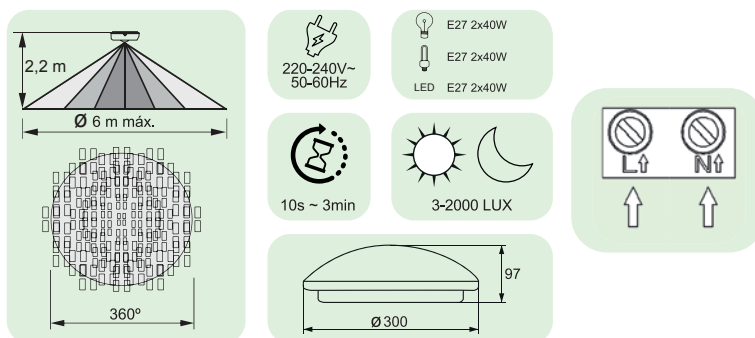
- High frequency RADAR detection
- E27 lamp holder, suitable for all types of lamps
- Glass lampshades
- Additional terminal for secondary load control
- According to EN 60598-1:2015, EN 60598-2-1:1989, EN 62493:2015



| Article | Code | Angle of coverage | Area of coverage | Contact capacity | Supply voltage |
|--------------------------|-----------|-------------------|--------------------------------------|--|------------------------|
| DETELUX 360 RADAR 220 | 350400001 | 360° | 4-16 m diameter (at 2,2 m height) | Incandescence: 60W E27 Energy saving lamps: 13W E27 LED lamps: 20W E27 | 220-240VAC, 50/60Hz |

PIR sensor light

- PIR detection
- 2 Lamp holders E27 suitable for all types of lamps
- Glass lampshades
- The wide curvature of the dome light allows the installation of large lamps.
- According to EN 60598-1:2015, EN 60598-2-1:1989, EN 62493:2015

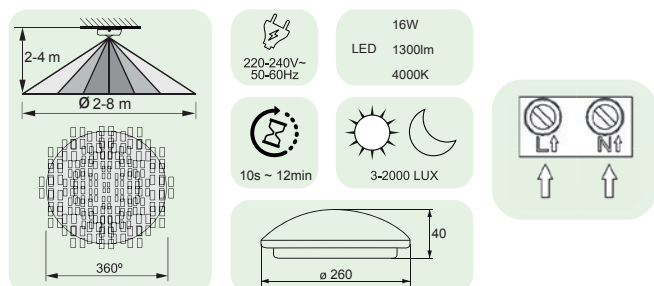


| Article | Code | Angle of coverage | Area of coverage | Contact capacity | Supply voltage |
|-----------------|-----------|-------------------|-----------------------------------|------------------|------------------------|
| DETELUX 360 PIR | 350200106 | 360° | 6 m diameter (at 2,2 m height) | 2x40W E27 | 220-240VAC, 50/60Hz |

SENSOR LIGHTS

RADAR sensor light with built-in LED

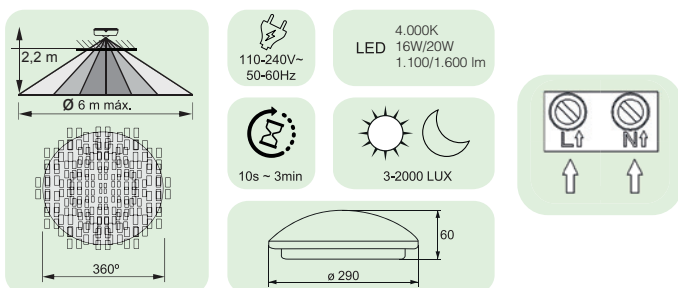
- High Frequency RADAR detection with built-in LED board
- Flat and modern design with white aluminium base
- 2-wire connection, allowing replace any installed lamp and being a fast and easy solution
- According to EN 60598-1:2015, EN 60598-2-1:1989, EN 61347-1:2015, EN 61347-2-13:2014



| Article | Code | Angle of coverage | Area of coverage | Contact capacity | Supply voltage |
|----------------------------|-----------|-------------------|----------------------------------|--------------------------------------|---------------------|
| DETELUX 360 RADAR LED SLIM | 350200174 | 360° | 4-8 m diameter (at 2,2 m height) | 16W built-in LED. 1450 lumens. 4000K | 220-240VAC, 50/60Hz |

PIR sensor light with built-in LED

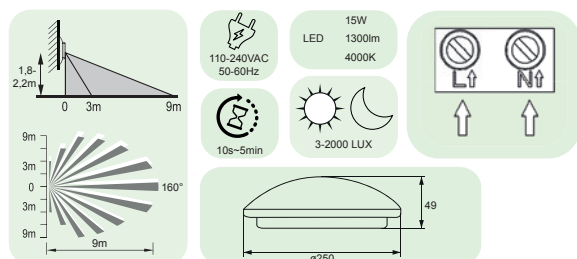
- PIR detection with built-in LED board
- Plastic lampshades
- Only 6 cm high, aesthetically pleasing
- Neutral white light suitable for commercial environments and common areas in buildings
- According to EN 60598-1:2015, EN 60598-2-1:1989, EN 61347-1:2015, EN 61347-2-13:2014



| Article | Code | Angle of coverage | Area of coverage | Contact capacity | Supply voltage |
|--------------------------------|-----------|-------------------|--------------------------------|--------------------------------------|---------------------|
| DETELUX 360 PIR LED PC 110-220 | 350200112 | 360° | 6 m diameter (at 2,2 m height) | 16W built-in LED. 1100 lumens. 4000K | 110-240VAC, 50/60Hz |
| DETELUX 360 PIR LED PC 20W | 350200159 | 360° | 6 m diameter (at 2,2 m height) | 20W built-in LED. 1600 lumens. 4000K | 110-240VAC, 50/60Hz |

PIR sensor light with built-in LED

- PIR detection with built-in LED board
- Plastic lampshades
- Neutral white light suitable for commercial environments and common areas in buildings
- According to EN 60598-1:2015, EN 60598-2-1:1989, EN 61347-1:2015, EN 61347-2-13:2014














ZCS TECHNOLOGY
Zero Cross Switching



| Article | Code | Angle of coverage | Area of coverage | Contact capacity | Supply voltage |
|------------------------|-----------|-------------------|--------------------------------|--------------------------------------|---------------------|
| DETELUX 160 PIR LED PC | 350200167 | 160° | 9 m diameter (at 2,2 m height) | 15W built-in LED. 1300 lumens. 4000K | 110-240VAC, 50/60Hz |

MOVEMENT AND PRESENCE DETECTORS

Quick selection chart

| FUNC-TIONS |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|
| | WALL MINI DETECTOR | OUTDOOR WALL DETECTOR | CEILING DETECTOR | SLIMLINE CEILING DETECTOR | CEILING DETECTOR FOR LARGE AREAS | FALSE CEILING DETECTOR | 2-CHANNEL FALSE CEILING DETECTOR | FALSE CEILING MINI DETECTOR | FALSE CEILING MICRO DETECTOR PLAFOND | IN-FALSE CEILING HIDDEN DETECTOR | WIRING DEVICES BOX DETECTOR |
| Code | 350200114 | 350100102 | 350200100 | 350200115 | 350400106 | 350200101 | 350200168 | 350200102 | 390100003 | 350400003 | 350200116 |
| Installation | Wall | Wall | Ceiling | Ceiling | Ceiling | False ceiling | False ceiling | False ceiling | False ceiling | Hidden above false ceiling | Wiring device box |
| Supply voltage* | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50Hz | 220-240VAC, 50/60Hz | 220-240VAC, 50Hz |
| Connection | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 3-wire | 2 and 3 wire |
| Technology | Infrared | Infrared | Infrared | Infrared | Infrared | Infrared | Infrared | Infrared | Infrared | 5.8GHz high frequency | Infrared |
| Coverage area | 180° | 180° | 360° | 360° | 360° | 360° | 360° | 360° | 360° | 360° | 180° |
| Range | Linear of 12 m (at 2,5 m) | Linear of 12 m (at 2,5 m) | 6 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 20 m diameter (at 3 m) | 6 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 20 m diameter (at 2,2 m) | Linear of 9 m (at 1,1 m) |
| Installation height | 1,8 - 2,5 m | 1,8 - 2,5 m | 2,2 - 4 m | 2,2 - 4 m | 2,2 - 6 m | 2,2 - 4 m | 2,2 - 4 m | 2,2 - 4 m | 2,2 - 4 m | 2,2 - 4 m | 1 - 1,8 m |
| Time setting | 10 sec - 15 min | 10 sec - 15 min | 10 sec - 7 min | 10 sec - 15 min | 10 sec - 30min | 10sec -15min | CH1: 10sec -30min (Pulse option) CH2: 10sec -60min | 10sec -15 min | 10 sec - 8 min | 8 sec - 12 min | 10 sec - 7 min |
| Twilight adjustment | 3-2.000 lux | 3-2.000 lux | 3-2.000 lux | 3-2.000 lux | 3-2.000 lux | 3-2.000 lux | | 3-2.000 lux (only CH1) | 3-2.000 lux | 3-2.000 lux | 3-2.000 lux |
| Relay Technology | Zero Cross Switching | Zero Cross Switching | Standard | Zero Cross Switching | Zero Cross Switching | Zero Cross Switching | Zero Cross Switching | Zero Cross Switching | Standard | Standard | Standard |
| Protection degree | IP44 | IP65 | IP20 | IP20 | IP65 | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| Incandescence: | 800W | 1.200W | 1.200W | 2.000W | 2000W | 1.200W | Channel 1: Incandescence: 1200W | Incandescence: 800W | Incandescence: 800W | Incandescence: 1.200W | Incandescence: 500W |
| Energy saving lamps and LED: | 400W | 300W | 300W | 1000W | 1000W | 300W | Energy saving and LED lamps: 300W | Energy saving lamps and LED: 400W | Energy saving lamps and LED: 200W | Energy saving lamps and LED: 300W | Energy saving lamps and LED: 200W |
| | | | | | | | Channel 2: Load: 800W | | | | |

*Consult us for 110V version.








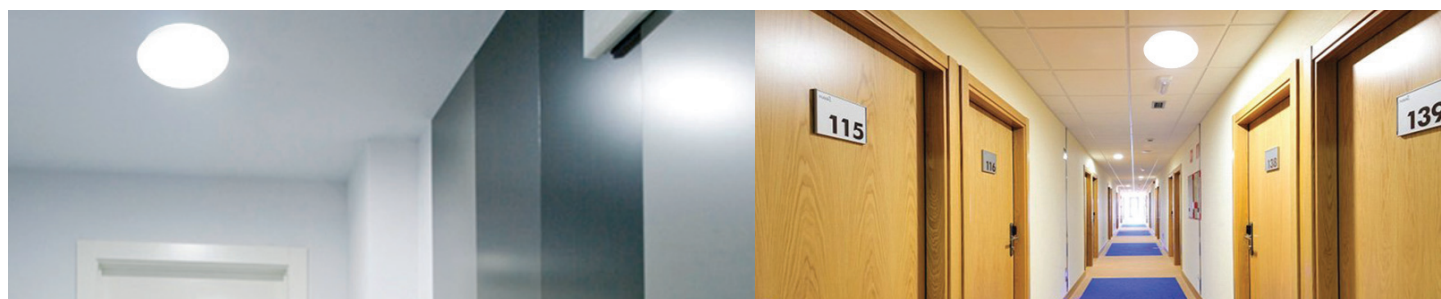
ZCS TECHNOLOGY
Zero Cross Switching



SENSOR LIGHTS

Quick selection chart

| FUNCTIONS |  |  |  |  |  |  |
|---------------------|---|---|---|--|---|---|
| | DETELUX 360 RADAR 220 | DETELUX 360 PIR | DETELUX 360 RADAR LED SLIM | DETELUX 360 PIR LEC PC 110-220 | DETELUX 360 PIR LED PC 20W | DETELUX 160 PIR LED PC |
| | DOME LIGHT LAMP HOLDER WITH RADAR DETECTOR | DOME LIGHT LAMP HOLDER WITH PIR DETECTOR | LED DOME LIGHT WITH RADAR SENSOR | LED DOME LIGHT WITH PIR SENSOR | LED DOME LIGHT WITH PIR SENSOR | LED DOME LIGHT WITH PIR SENSOR |
| Code | 350400001 | 350200106 | 350200174 | 350200112 | 350200159 | 350200167 |
| Supply voltage | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 230VAC, 50/60Hz | 110-240VAC, 50/60Hz | 110-240VAC, 50/60Hz | 110-240VAC, 50/60Hz |
| Connection | 2-wire | 2-wire | 2-wire | 2-wire | 2-wire | 2-wire |
| Technology | 5,8GHz high frequency | Infrared | 5,8GHz high frequency | Infrared | Infrared | Infrared |
| Coverage angle | 360° | 360° | 360° | 360° | 360° | 160° |
| Range | 20 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 16 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 6 m diameter (at 2,2 m) | 9 m diameter (at 2,2 m) |
| Time setting | 5 sec - 12 min | 10 sec - 3 min | 10 sec - 12 min | 10 sec - 3 min | 10 sec - 3 min | 10 sec - 5 min |
| Twilight Adjustment | 2 - 2.000 lux | 3 - 2.000 lux | 3 - 2.000 lux | 3 - 2.000 lux | 3 - 2.000 lux | 3 - 2.000 lux |
| Installation height | 2-4 m | 2,2-4 m | 2-4 m | 2,2-4 m | 2,2-4 m | 1,8-2,2 m |
| Lamp | 1 lampholder E27 60W | 2 lampholder E27 40W | 16W LED board, 1.450 lumens, 4.000K | 16W LED board, 1.100 lumens, 4.000K | 20W LED board, 1.600 lumens, 4.000K | 15W LED board, 1.300 lumens, 4.000K |
| Base material | Polycarbonate | White aluminium | White aluminium | White aluminium | White aluminium | White aluminium |
| Shade material | Glass | Glass | Plastic (polycarbonate) | Plastic (polycarbonate) | Plastic (polycarbonate) | Plastic (polycarbonate) |
| Protection degree | IP20 | IP20 | IP54 | IP20 | IP20 | IP44 |



SAFETY DETECTORS

- ✓ Safety detectors for a **wide range of variables**, such as smoke, gas and CO detectors.
- ✓ **High sensitivity** detection for greater security.
- ✓ **Ease** and **speed** of installation and commissioning.

Smoke detector

- On-ceiling installation
- Acoustic indication of detection. Maximum volume: 85 dB
- Indication light of operation via LED. Acoustic indication of low battery
- Power supply: 1 x 9V battery (included). Dimensions: 101 x 34 mm
- Suitable for indoor use
- According to EN 14604:2005

| Article | Code | Mounting | Supply voltage |
|-------------|-----------|----------|---------------------------|
| KPS-DS_HUM0 | 350500005 | Ceiling | 1 x 9V battery (included) |



Mini smoke detector

- On-ceiling installation, compact size
- Acoustic indication of detection. Maximum volume: 85 dB
- Indication light of operation via LED. Acoustic indication of low battery
- Power supply: 3 x 3V CR2450 batteries (included). Dimensions: 72 x 37 mm
- Suitable for indoor use.
- According to EN 14604:2005

| Article | Code | Mounting | Supply voltage |
|-----------------|-----------|----------|------------------------------------|
| KPS-DS_HUMOMINI | 350500006 | Ceiling | 3 x 3V CR2450 batteries (included) |



Wireless smoke detector

- Wireless operation. On-ceiling installation
- Acoustic indication of detection. Maximum volume: 85 dB
- Indication light of operation
- Power supply: 1 x 9V battery + 3 x 1,5V batteries (included)
- Dimensions: 128 x 50 mm
- Suitable for indoor use.
- According to EN 14604:2005

| Article | Code | Mounting | Supply voltage |
|-----------------|-----------|----------|--|
| KPS-DS_HUMOLESS | 350500007 | Ceiling | 1 x 9V battery + 3 x 1,5V batteries (included) |



Gas detector

- On-wall installation
- Liquid gas and natural gas leakage (LPG) detection
- Indication light of operation via LED. Acoustic indication of detection 85 dB
- Power supply: 230VAC, 50-60 Hz. Alarm level: < 25%LEL
- Dimensions: 126 x 73 x 76 mm.
- Suitable for indoor use
- According to EN 62368-1:2014

| Article | Code | Mounting | Supply voltage |
|------------|-----------|----------|-----------------|
| KPS-DS_GAS | 350500004 | Wall | 230VAC, 50/60Hz |



SAFETY DETECTORS

Flood detector

- Suitable for the detection of water filtrations. Installation on surface
- Acoustic indication of detection 85 dB
- Response time: <7 seconds. Operating temperature: +1°C to 60°C
- Power supply: 1 x 9V battery (included)
- Dimensions: 86 x 82 x 30 mm. Weight: 100g

| Article | Code | Mounting | Supply voltage |
|-------------------|-----------|----------|---------------------------|
| KPS-DS_INUNDACIÓN | 350500008 | Surface | 1 x 9V battery (included) |



CO detector

- Carbon monoxide (CO) detector. On-ceiling installation
- Acoustic indication of detection. Maximum volume: 85 dB
- LCD screen with visual indication of CO concentration
- Indication light of operation via LED
- Acoustic and light indication of low battery
- Power supply: 3 x 1,5V batteries (included)
- Dimensions: 115 x 37 mm. Weight: 120 g
- Suitable for indoor use
- According to EN 50291-1:2010

| Article | Code | Mounting | Supply voltage |
|-----------|-----------|----------|-------------------------------|
| KPS-DS_CO | 350500002 | Ceiling | 3 x 1,5V batteries (included) |



CO + smoke detector

- Carbon monoxide (CO) and smoke detector. On-ceiling installation
- Acoustic indication of detection. Maximum volume: 85 dB
- LCD screen with visual indication of CO concentration and of smoke detection
- Indication light of operation via LED. Acoustic and light indication of low battery
- Power supply: 1 x 9V battery (included)
- Dimensions: 115 x 37 mm. Weight: 120 g.
- Suitable for indoor use
- According to EN 50291-1:2010

| Article | Code | Mounting | Supply voltage |
|---------------|-----------|----------|---------------------------|
| KPS-DS_COHUMO | 350500003 | Ceiling | 1 x 9V battery (included) |



Heat detector

- Suitable for the detection of early signs of fire On-wall or on-ceiling installation
- Acoustic and light indication of detection. Maximum volume: 85 dB
- Detection temperature 55±5 °C. Acoustic and light indication of low battery
- Power supply: 1 x 9V battery (included)
- Dimensions: 107 x 107 x 37,5 mm. Weight: 220g
- According to EN 54-5:2017

| Article | Code | Mounting | Supply voltage |
|--------------|-----------|------------------|---------------------------|
| KPS-DS_CALOR | 350500001 | Wall our ceiling | 1 x 9V battery (included) |





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