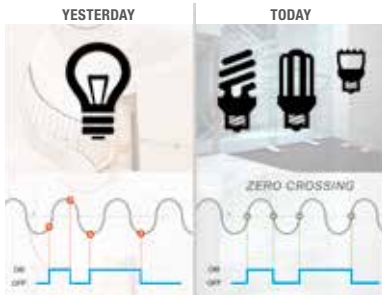


# MOTION AND PRESENCE DETECTORS



## 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 suitable for controlling electronic lamps, LED and energy-saving lamps.



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

- Power supply 230V a.c.  $\pm$  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  $\div$  23W max 8 lamps
- Protection degree IP 40
- Wire section at terminals 0,75..... 2,5 mm<sup>2</sup>
- 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

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



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

- Power supply 230V a.c.  $\pm$  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  $\div$  23W max 5 lamps
- Protection degree IP44 (SP044) - IP55 (SP055)
- Wire section at terminals 0,75..... 2,5 mm<sup>2</sup>
- 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

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

- Power supply 230V a.c.  $\pm$  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  $\div$  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

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

## ZERO CROSSING



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

- 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  $\div$  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

- 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.

## ZERO CROSSING

# 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.  $\pm$  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  $\div$  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 $\div$ 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  $\div$  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 $\div$ 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  $\div$  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)  $\varnothing$  130 x 70 mm



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

**ZERO CROSSING**

- Power supply 220 $\div$ 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  $\div$  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)  $\varnothing$  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 $\div$ 240V c.a. 50Hz
- Diameter installation hole  $\varnothing$  70mm
- Maximum lighting load:  
incandescent lamps 2.000W  
fluorescent lamps (uncompensated) 480W  
fluorescent lamps (compensated in parallel) 250W  
CFL / LED lamps (230V) 7W  $\div$  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)  $\varnothing$  79,80 x 91 mm
- Height of lens 18mm