

## PIR motion detector JS-10 „HARMONY“



- **PIR motion detector JS-10 Harmony is designated for area security of a subject by means of motion detection of people in a field of vision.**
- JS-10 process signal by method of digital analysis of signal. This method insures high resistance against false alarms, automatic calibration optimises sensor to surrounding area, autotest enables detection of HW faults.
- Next to alarm relay (ALARM) which is to be connected to a nod of a protective central unit, the sensor has as well auxiliary relay (OUT) with several selectable functions. Sensor is highly resistive against high-frequency interference and other false signals.
- Sensor is designed for in-corner and wall mounting. By shifting an internal module - PCBs, it is possible to amend directional characteristics. It is also possible to change output characteristics of alarm relay (ALARM), function of an auxiliary relay (OUT), means of sensor function and means of LED indication
- There is a protective contact cover (TAMPER).

### Technical parameters:

Supply voltage/current:	9 - 15 V DC / max. 30 mA
Detection distance:	12 m
Detection angle:	120°
Motion detection:	0,1 m/s - 4 m/s
Recommended height of mounting:	2 or 2,5 m above the floor level
Signal processing:	digital analysis of 8 bit, processor with three adjustable levels
Alarm output:	relay ALARM optionally switching (NO)/breaking (NC) 60V/0,1A
Auxiliary output OUT:	switching contact of relay 60 V / 0,1 A DC
Cover contact TAMPER:	60 V / 0,1 A DC
Time of activation after it is switched on:	max. 90 sec.
Operation temperature:	- 10 to +55 °C
High-frequency resistance:	up to 1 GHz 20 V/m (modulated field)
Max. cable size:	1 mm <sup>2</sup>
Installation:	level surface mounting
Dimensions:	70 x 90 x 65 mm
Weight:	120 g

Tested according to EN55022, ČSN EN 60801-2 (IEC801-2), IEC801-3, IEC801-4

Sensor is classified by a test room EZS as a device for indoor safety with higher risk (II. category)

## PIR motion detector JS-20 „LARGO“



- **PIR motion detector JS-20 „LARGO“ is designed for area security of a subject.**
- JS-20 process signal by method of multiple analysis of signal. This method insures excellent sensitivity and high resistance against false alarms. Detection analysis can be additionally increased by setting jumper (when product mounted in problematic area).
- In sensor can be exchanged basic lens by version for long corridors or by version with free zone on the floor (for motion of pets).
- For easier connection of distribution the product is equipped by a pair of free applicable terminals (GBS).
- Sensor is highly resistive against high-frequency interference and other false signals. Sensor is designed for level surface and in-corner mounting
- Product complies with European mark of conformity CE.

### Technical parameters:

Supply voltage/current:	12 V DC 25% / max. 35 mA
Detection distance:	12 m
Detection angle:	120° (with standard lens)
Recommended height of mounting:	2,5 m above floor level
Time of activation after it is switched on:	max. 180 s
Loadability of output PIR:	switch max. 60V / 50 mA internal resistance max. 30 Ω
Loadability of sabotage output TMP:	switch max. 60 V / 50 mA internal resistance max. 16 Ω
Environment according to ČSN EN 50131-1:	internal general
Operation temperature:	-10 to +55 °C
Classification according to ČSN EN 50131:	level 2. (medium-low)
Max. cable size:	1 mm <sup>2</sup>
Installation:	level surface mounting
Dimensions:	110 x 60 x 55 mm
Weight:	120 g