

# GREY

## COMPACT DUAL TECHNOLOGY PIR+MW DETECTOR

Dual technology motion detector that combines PIR technology with microwave detection is suitable for protection of rooms with suboptimal environmental conditions where drafts or intensive convection may occur. The use of new microwave sensor operating at 24GHz frequency, together with 0402 SMD technology, allowed to design a dual technology device that fits into a typical PIR enclosure. These make GREY a great choice for protection of rooms with a fireplace or hot-air heating systems, where the appearance of the installation components is of the same importance as their reliability.

- dual detection technology PIR+microwave that ensures reliability even in harsh conditions,
- ambient temperature compensation,
- remote test mode and alarm memory features,
- PET immune mode (up to 15 kg)
- built-in end-of-line resistors (2EOL: 2 x 1.1 k $\Omega$ ).



### TECHNICAL DATA

Warm-up period	35 s
Alarm signaling time	2 s
Microwave frequency	24 GHz
Environmental class according to EN50130-5	II
Maximum humidity	93 $\pm$ 3%
Max. current consumption	16 mA
Weight	98 g
Supply voltage	12 V DC
Coverage area (PET option on)	13 m x 11 m, 81°
Coverage area (PET option off)	15 m x 11 m, 89°
Standby mode current consumption	13 mA
Relay contact resistance (alarm output)	34 $\Omega$
Complied with standards	EN 50131-1, EN 50131-2-4, EN 50130-4, EN 50130-5
Alarm outputs (NC relay, resistive load)	40 mA / 16 V DC
Tamper outputs (NC)	100 mA / 30 V DC
Detected target velocity	0,3...3 m/s
Dimensions	63 x 96 x 49 mm
Recommended mounting height	2,4 m
Operating temperature range	-10...+55 °C