

# GREY Plus

## COMPACT DUAL TECHNOLOGY PIR+MW DETECTOR WITH MW ANTIMASK

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,
- microwave antimask feature
- 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 kΩ)



### TECHNICAL DATA

Supply voltage	12 V DC
Detected target velocity	0,3...3 m/s
Operating temperature range	-10...+55 °C
Recommended mounting height	2,4 m
Standby mode current consumption	15 mA
Max. current consumption	18 mA
Weight	100 g
Maximum humidity	93±3%
Dimensions	63 x 96 x 49 mm
Environmental class according to EN50130-5	II
Alarm signaling time	2 s
Complied with standards	EN 50131-1, EN 50131-2-4, EN 50130-4, EN 50130-5
Microwave frequency	24 GHz
Security grade according to EN50131-2-4	Grade 2
Warm-up period	35 s
Alarm outputs (NC relay, resistive load)	40 mA / 16 V DC
Tamper outputs (NC)	100 mA / 30 V DC
Anti-masking outputs (NC relay, resistive load)	40 mA / 24 V DC
Relay contact resistance (alarm output)	34 Ω
Relay contact resistance (anti-masking output)	34 Ω
Coverage area (PET option off)	15 m x 11 m, 89°
Coverage area (PET option on)	13 m x 11 m, 81°