

COBALT Plus

DIGITAL DUAL TECHNOLOGY MOTION DETECTOR

The COBALT Plus digital motion detector has a dual mechanism of detection: dual element PIR sensor and microwave sensor. The dual technology design, digital motion detection algorithm and temperature compensation function provide high immunity to false alarms and interference, even in areas where adverse or rapidly changing conditions prevail, e.g. at fireplaces, in boiler rooms, garages, or in places where drafts frequently occur. Independent control of both detection channels enables the device performance curve to be perfectly adjusted to requirements of the user and the protected premises. In addition, the detector can operate in two modes of detection: basic, in which an alarm will occur after motion has been simultaneously detected by both sensors, or advanced, in which an alarm will also be triggered after a certain number of violations of the microwave path, making it possible to detect e.g. an attempt to enter the protected zone by an intruder covered with body heat absorbing material. An important feature of the device is so-called anti-masking: the microwave sensor detects any attempt to mask or cover the detector, which would interfere with its proper functioning. The detector has a function of supply voltage level control, tamper protection against opening the enclosure, two-color LED indicating motion detection/alarm, and is provided with EOL resistors for easy installation and connection to the alarm system.

The COBALT Plus detector can be used to implement the building automation functions. When the alarm system is not armed, the device can be used for switching on the lights, opening doors, etc.

- dual technology PIR+MW
- digital detection algorithm
- dual element pyrosensor
- digital temperature compensation
- microwave based antimask feature
- adjustable mounting bracket included

TECHNICAL DATA

Supply voltage	12 V DC
Detected target velocity	0,3...3 m/s
Enclosure dimensions	63 x 136 x 49 mm
Operating temperature range	-30...+55 °C
Recommended mounting height	2,4 m
Standby mode current consumption	22 mA
Max. current consumption	27 mA
Weight	144 g
Relay contacts rated load (resistive)	40 mA / 16 V DC
Environmental class according to EN50130-5	II
Alarm signaling time	2 s