AQUA Ring S

CEILING MOUNT DIGITAL PIR

AQUA Ring S is a digital passive infrared detector in oval enclosure, designed for ceiling mounting. It is ideally suited for use in locations where wall mounting is difficult or just impossible, for example, in rooms with fully glazed walls or showcases. It can also be used in spacious premises, because its design allows protection of a large area. AQUA Ring S is provided with a dual element PIR sensor and digital motion detection algorithm, and that's why it is characterized by good immunity to interference and false alarms. Three–step sensitivity control makes it possible to adjust the device performance to requirements of the user and the protected premises. The detector has a built–in pre–alarm feature and tamper switch to protect it against opening the enclosure. The detector is powered from a 24 V DC or AC source, so it can be installed in systems running on 24 V (instead of the standard 12 V) voltage.

The main task of the detector is to detect violations in the protected area. However, it can also be used to implement the building automation functions. When the alarm system is not armed, the detector can control turning on the lights, opening or closing the doors, etc.

- fully digital detection
- 360° lens
- digital temperature compensation
- pre–alarm feature
- powered by 24 V AC/DC

TECHNICAL DATA

Supply voltage	24 V DC
Detected target velocity	0,3...3 m/s
Operating temperature range	-30...+55 °C
Recommended mounting height	od 2,2 up to 4,5 m
Weight	64 g
Relay contacts rated load (resistive)	40 mA / 27 V AC/DC
Maximum humidity	93±3%
Dimensions	ø97x29 mm
Environmental class according to EN50130-5	II
Alarm signaling time	2 s
Coverage area: when mounted at a height of 2.4 m	36 m^2
Coverage area: when mounted at a height of 3.7 m	80 m^2
Maximum current consumption - for 24 V AC (±10%)	27 mA
Maximum current consumption - for 24 V DC (±10%)	14 mA