

# AQUA Ring

## CEILING MOUNT DIGITAL PIR

AQUA Ring 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 is provided with a quad element PIR sensor and digital motion detection algorithm. Owing to the two-track analysis of the signal from the PIR sensor (valuable and quantitative) and the temperature compensation feature, the device is characterized by high sensitivity and interference immunity. 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 tamper switch to protect it against opening the enclosure. The device meets the EN-50131 requirements for Grade 2.

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
- quad element PIR sensor
- 360° lens
- digital temperature compensation



### TECHNICAL DATA

|  |                    |
|--|--------------------|
| Supply voltage                                   | 12 V DC            |
| Detected target velocity                         | 0,3...3 m/s        |
| Enclosure dimensions                             | ø97 x 29 mm        |
| Operating temperature range                      | -30...+55 °C       |
| Recommended mounting height                      | od 2,2 up to 4,5 m |
| Standby mode current consumption                 | 10 mA              |
| Max. current consumption                         | 12 mA              |
| Weight   | 60 g               |
| Relay contacts rated load (resistive)            | 40 mA / 16 V DC    |
| 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 <sup>2</sup>  |
| Coverage area: when mounted at a height of 3.7 m | 80 m <sup>2</sup>  |

