AQUA Luna

AQUA Luna is a digital passive infrared detector provided with a dual 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 function of temperature compensation, the device is characterized by reliable operation in a wide ambient temperature range, high sensitivity and high interference immunity. Interchangeable Fresnel lens and three–step sensitivity control make it possible to adjust the device performance to requirements of the user and the protected premises.

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. Additionally, the AQUA Luna model comes with a set of white LEDs that serve as lighting for the supervised area. This feature is extremely useful e.g. in the event of mains power failure. When the lights go out, the detector – which is powered from the control panel battery – can illuminate the monitored premises. The detector lighting function is remotely controlled.

- remotely controlled LED emergency lighting
- digital signal processing
- 3–step sensitivity adjustment
- digital temperature compensation

Alarm signaling time	2 s
EOL resistors	2 x 1,1 kΩ
Maximum detection area	15 m x 14 m 108°
Relay contact resistance	26 Ω
Tamper outputs (NC)	100 mA / 30 V DC
Alarm outputs (NC relay, resistive load)	40 mA / 24 V DC
Security grade according to EN50131-2-2	Grade 2
Warm-up period	45 s
Complied with standards	EN50130-5, EN50131-1, EN50131-2-2, EN50130-4
Supply voltage	12 V DC
Environmental class according to EN50130-5	II
Dimensions	63 x 96 x 49 mm
Maximum humidity	93±3%
Weight	92 g
Standby mode current consumption	8 mA
Recommended mounting height	2,4 m
Operating temperature range	-10...+55 °C
Detected target velocity	0,3...3 m/s