

# AQUA Luna

## PIR MOTION DETECTOR WITH EMERGENCY LIGHTING FEATURE

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



### 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	8 mA
Weight	92 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	EN50130-5, EN50131-1, EN50131-2-2, EN50130-4
Warm-up period	45 s
Security grade according to EN50131-2-2	Grade 2
Alarm outputs (NC relay, resistive load)	40 mA / 24 V DC
Tamper outputs (NC)	100 mA / 30 V DC
Relay contact resistance	26 Ω
Maximum detection area	15 m x 14 m 108°
EOL resistors	2 x 1,1 kΩ

