

AQUA Plus 2E

DIGITAL PIR MOTION DETECTOR

AQUA Plus 2E 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 detector has built-in pre-alarm function and tamper switch for protection against opening the enclosure. In addition, the device electronics board is provided with EOL resistors for easy installation and connection to the alarm system.

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.

- build-in EOL resistors
- fully digital algorithm
- replaceable Fresnel lens with sealed optics
- digital temperature compensation
- pre-alarm feature
- adjustable mounting bracket included



TECHNICAL DATA

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| Supply voltage | 12 V DC |
| Detected target velocity | 0,3...3 m/s |
| Operating temperature range | -30...+55 °C |
| Recommended mounting height | 2,4 m |
| Standby mode current consumption | 10 mA |
| Max. current consumption | 12 mA |
| Weight | 88 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 |
| EOL resistors | 2 x 1,1 kΩ |
| Warm-up period | 30 s |
| Security grade according to EN50131-2-2 | Grade 2 |

