DI601AM

Outdoor, PIR, Anti Mask, selectable 10/20/30 m

Outdoor motion sensor with AntiMask functionality

DI601AM Outdoor PIR/AM Detector is an outdoor motion detector and alarm trigger using two independent passive infrared elements. The Anti-Masking functionality is achieved by active infared technology and will detect masking events as required by the EN Grade III standard. DI601AM delivers precise, reliable presence detection.

Easy and quick to install

Programmable options include a LED enabling/disabling function, a variable pulse count and a choice of three detection ranges: 10 m, 20 m, 30m.

DI601AM includes jumpers that let you configure internal end-of-line (EOL) resistor values, when EOL resistors are required. You even have the feature to use the triple EOL resistor values configuration in order to have different EOL resistor values for a detector fault and a masking event.

Moreover, the integral dual-axis tilt sensor allows -45° to +45° of pan and +45° of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

Aesthetics and hidden sensor module

DI601AM design has a neat and professional appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring.



Details

- Electronic range setting: 10/20/30m
- 10 to 70º detection angle
- -45° to +45° pan and +45° tilt for flexible install
- Sensor module is hidden
- Built-in EOL resistors with triple EOL configuration capability
- High dust and humidity resistance (IP55)
- 5 years warranty

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Technical specifications

General

Technology	PIR
Application type	Wall mount
Anti masking	Yes
Pet immune	No
Camera	No

Detection

Max. detection range	30 m
Detection range selection	programmable 10, 20, or 30 m
Coverage (field of view)	70°, 10 to 70° detection angle, 30 x 24 m coverage max.
Vertical optical axis adjustment	+45° tilt
Horizontal optical axis adjustment	-45 to +45° pan
Undercrawl protection	No
Alarm time	5 s

Wired/wireless

Wired-wireless	Wired

Inputs/outputs

Alarm relay characteristic	NC / NO, Volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Anti mask relay characteristic	Volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Relay configuration	Multiple EOL values

Electrical

Power supply value	10 to 15 VDC
Current consumption	16 mA (12 V nominal)

Physical

Physical dimensions	125 x 175 x 130 mm (W x H x D)
Net weight	348 g
Shipping weight	534 g
Colour	Silver
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m

Environmental

Operating temperature	-30 to +65°C
Storage temperature	-30 to +65°C
Environment	Outdoor
IP rating	IP55

Regulatory

EN50131 grade	Grade 3

Fresnel lens

	28 zones for each detection element, which can be masked with the curtain sliders

Customized optics

	Double silicon shielded quad element eliminates 50,000 lux of white light

Outputs

	Silent, solid state, magnetically immune.

Pulse count

	1 or 2

Temperature compensation

	Analogue (thermistor) and digital sensitivity adjustment

Control

	Digital microprocessor with non-volatile memory

Mounting height

	Variable up to 6 m / Optimum height 3 m for full range

Environmental testing

	EN 50130-5, Class IV certified

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