

DI601AM

Outdoor PIR/AM 10/20/30m selectable

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 infrared 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 $+45^{\circ}$ of pan and $+45^{\circ}$ 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.



Standard Features

- Electronic range setting: 10/20/30m
- 10 to 70° detection angle
- -45° to $+45^{\circ}$ pan and $+45^{\circ}$ 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
- EN Grade III certified

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Specifications

General	
Technology	PIR
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°
Undercrawl protection	No
Alarm time	5 sec
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	
Dimensions (W x H x D x Ø)	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
Standards & regulation	
EN50131 grade	Grade 3
Coverage	
	10 to 70° detection angle, 30 x 24 m coverage max.
Adjustment	
	-45° to +45° pan, +45° tilt
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

Ordering Information

Part No.	Description
DI601AM	Outdoor PIR/AM 10/20/30m selectable
DI601-WT	Walk tester for DI601 and DDI602 series