# 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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