# DDI602AM-F2

## Outdoor Dual Technology/AM detector 10.587 GHz 10/20/30m selectable

### Outdoor Dual Technology motion sensor with AntiMask functionality

DDI602AM-F2 Outdoor Dual Technology/AM Detector is an outdoor motion detector and alarm trigger using two independent passive infrared elements plus a microwave sensor module. In addition it has an Anti-Masking functionality achieved by active infared technology that will detect masking events as required by the EN Grade III standard. DDI602AM-F2 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, 30 m.
The motions sensor 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

The 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
- Attractive aesthetics
- 10 to 70° 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 & humidity resistance (IP55)
- 5 years warranty
- EN Grade III certified

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## Technical specifications

### General

| | |
|---|---|
| Technology | Dual |
| Application type | Wandmontage |
| Anti masking | Yes |
| Pet immune | No |
| Camera | No |
| Processor | Digital microprocessor with non-volatile memory |

### 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 |
| Microwave frequency (nom.) | 10.587 GHz |
| Undercrawl protection | No |
| Alarm time | 5 sek |
| Adjustment | -45° to +45° pan, +45° tilt |
| Coverage | 10 to 70° detection angle, 30 x 24 m coverage max. |
| Customized optics | Double silicon shielded quad element eliminates 50,000 lux of white light |
| Microwave module | 10.587 GHz (Greece, Italy, Thailand, UAE, UK) |
| Fresnel lens | 28 zones for each detection element, which can be masked with the curtain sliders |
| Pulse count | 1 or 2 |

### Wired/wireless

| | |
|---|---|
| Wired-wireless | Verdrahtet |

### 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 | Mehrere EOL-Werte |
| Outputs | Silent, solid state, magnetically immune. Microwave AND PIR. |

### Electrical

| | |
|---|---|
| Power supply value | 10 to 15 VDC |
| Current consumption | 21 mA (12 V nominal) |

### Physical

| | |
|---|---|
| Physical dimensions | 125 x 175 x 130 mm (W x H x D) |
| Net weight | 365 g |
| Shipping weight | 551 g |
| Colour | Silber |
| Material | Hochschlagfester ABS Kunststoff mit HDPE Abdeckung, UV stabilisiert |
| Mounting height | 3 bis 6 m |
| Mounting height | Variable up to 6 m / Optimum height 3 m for full range |

### Environmental

| | |
|---|---|
| Operating temperature | -30 to +65°C |
| Environment | Draussen |
| IP rating | IP55 |
| Temperature compensation | Analogue (thermistor) and digital sensitivity adjustment |

### Regulatory

| | |
|---|---|
| EN50131 grade | Grad 3 |
| Compliancy | EN 50130-5, Class IV certified |

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