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	Wall mount
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 s
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	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
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	Silver
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m
Mounting height	Variable up to 6 m / Optimum height 3 m for full range

Environmental

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

Regulatory

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

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