



DDI602AM-F1

Outdoor Dual Technology/AM detector 10.525 GHz 10/20/30m selectable

Outdoor Dual Technology motion sensor with AntiMask functionality

DDI602AM-F1 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 infrared technology that will detect masking events as required by the EN Grade III standard. DDI602AM-F1 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 $+45^{\circ}$ 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

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 $+45^{\circ}$ pan and $+45^{\circ}$ 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

Geral		Fresnel lens	
Technology	Dual	28 zones for each detection element, which can be masked with the curtain sliders	
Anti masking	Yes		
Pet immune	No	Customized optics	
Camera	No	Double silicon shielded quad element eliminates 50,000 lux of white light	
Deteção		Outputs	
Max. detection range	30 m	Silent, solid state, magnetically immune. Microwave AND PIR.	
Detection range selection	programmable 10, 20, or 30 m		
Coverage (field of view)	70°	Pulse count	
Microwave frequency (nom.)	10.525 GHz	1 or 2	
Undercrawl protection	No	Temperature compensation	
Alarm time	5 s	Analogue (thermistor) and digital sensitivity adjustment	
Cablado/sem fios		Control	
Wired-wireless	Wired	Digital microprocessor with non-volatile memory	
Entradas/saídas		Microwave module	
Alarm relay characteristic	NC / NO, Volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor	10.525 GHz (Albania, Argentina, Australia, Belgium, Brazil, Denmark, Holland, Hungary, Iceland, Indonesia, Latvia, Lithuania, Malta, Norway, Sweden, Portugal, Russia, South Africa, Spain, Taiwan, Ukraine, USA)	
Anti mask relay characteristic	Volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor	Mounting height	
Relay configuration	Multiple EOL values	Variable up to 6 m / Optimum height 3 m for full range	
Elétrica		Environmental testing	
Power supply value	10 to 15 VDC	EN 50130-5, Class IV certified	
Current consumption	21 mA (nominal)		
Físico			
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		
Ambiental			
Operating temperature	-30 to +65°C		
Environment	Outdoor		
IP rating	IP55		
Regulatory			
EN50131 grade	Grade 3		
Coverage			
10 to 70° detection angle, 30 x 24 m coverage max.			
Adjustment			
-45° to +45° pan, +45° tilt			



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