

# DDI602-F1

**Outdoor, Dual Technology detector, 10.525 GHz, selectable 10/20/30 m (33/66/98 ft)**

## Outdoor Dual Technology motion sensor

DDI602 Outdoor Dual PIR Detector is an outdoor motion detector and alarm trigger that uses two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm.

## Easy and quick to install

Programmable options include a variable pulse count and a choice of three detection ranges: 10 m / 33 ft., 20 m / 66 ft., and 30 m / 98 ft. DDI602 includes jumpers that let you configure internal end-of-line (EOL) resistor values, when EOL resistors are required. Moreover, the integral dual-axis tilt sensor allows 180° of pan and 90° of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

## Aesthetics and hidden sensor module

DDI602 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
- 180° pan & 90° tilt for flexible install
- Sensor module is hidden
- Built in EOL resistors
- High dust & humidity resistance (IP55)
- 5 years warranty

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selectable 10/20/30 m (33/66/98 ft)

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## Technical specifications

### General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No

### Detection

Max. detection range	30 m
Detection range selection	10, 20, or 30 m
Coverage (field of view)	70°
Vertical optical axis adjustment	90° tilt
Horizontal optical axis adjustment	180° pan
Microwave frequency (nom.)	10.525 GHz
Undercrawl protection	No
Alarm time	5 s

### Wired / wireless

Wired-wireless	Wired
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### 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. Alarm time 5 seconds.
Relay configuration	Multiple EOL values

### Electrical

Power supply value	9 to 15 VDC
Current consumption	11 mA (12 V nominal)

### Physical

Physical dimensions	125 x 175 x 130 mm
Net weight	323 g
Shipping weight	549 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
Environment	Outdoor
IP rating	IP55

### Regulatory

EN50131 grade	Grade 2
Certification	INCERT

### Coverage

10 to 70° detection angle, 30 x 24 m / 98 x 79 ft. coverage max.
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### Fresnel lens

28 zones for each detection element, which can be masked with the curtain sliders
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### Customized optics

Double silicon shielded quad element eliminates 50,000 lux of white light
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### Outputs

Silent, solid state, magnetically immune. Microwave AND PIR.
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### Pulse count

1 or 2
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### Temperature compensation

Analogue (thermistor) and digital sensitivity adjustment
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### Control

Digital microprocessor with nonvolatile memory
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### LEDs

Top red	Programming LED
Red	PIR active
Green	Microwave active
Blue	Detector alarm
Infrared	Walk tester communication

### Microwave module

10.525 GHz (Albania, Argentina, Australia, Belgium, Brazil, Denmark, Holland, Hungary, Iceland, Indonesia, Latvia, Lithuania, Malta, Norway, Portugal, Russia, South Africa, Spain, Taiwan, Ukraine, USA)
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### Built in EOL resistors' values

1, 2.2, 3.3, 4.7, 5.6, and 6.8 k ohm.
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### Mounting height

Variable up to 6m/20ft - Optimum height 3m / 10ft for full range
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### EN approved

EN50130-5, Class IV
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