

DDI602-F2

Outdoor Dual Technology detector 10.587 GHZ 10/20/30m - 33/66/98ft selectable

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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Technical Specifications

General

Technology	Dual
Anti masking	No
Pet immune	No
Camera	No

Detection

Microwave frequency (nom.)	10.587 GHz
Detection range	30 m
Detection range selection	10, 20, or 30 m
Undercrawl protection	No
Coverage (field of view)	70°
Alarm time	5 sec

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

Electrical

Power supply value	9 to 15 VDC
Current consumption	11 mA

Physical

Mounting height	3 to 6 m
Physical dimensions	147 x 187 x 140 mm
Net weight	323 g
Shipping weight	549 g
Material	High impact ABS plastic with HDPE cover, UV stabilized

Environmental

Operating temperature	-30 to +65°C
Environment	Outdoor

Detection Area

Programmable: 10 m / 30 ft., 20 m / 66 ft., or 30 m / 98 ft.

Coverage

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

Adjustment

180° pan, 90° tilt

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. Microwave AND PIR.

N/O	Volt free relay, signal contact 24 VAC/DC at 50 mA with an integral 25 Ohm series resistor. Alarm time 5 seconds.
N/C	Volt free relay, signal contact 24 VAC/DC at 50 mA with an integral 25 Ohm series resistor. Alarm time 5 seconds.

Power input

9 to 15 VDC

Current

11 mA (12 V nominal)

Pulse count

1 or 2

Temperature compensation

Analogue (thermistor) and digital sensitivity adjustment

Control

Digital microprocessor with nonvolatile memory

Operating/storage temperature

-30 to +65°C / -22 to 149°F

Housing

High impact ABS plastic with HDPE cover, UV stabilized

Dimensions, W x H x D

147 x 187 x 140 mm / 5.79 x 7.36 x 5.51 in.

Weight

323 g net, 549 g gross / 11.39 oz net, 19.37 oz gross

LEDs

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

Microwave module

10.587 GHz (Greece, Italy, Thailand, UAE, UK)

Built in EOL resistors' values

1, 2.2, 3.3, 4.7, 5.6, and 6.8 k ohm