



Product Data Sheet

DI601

Outdoor PIR 10/20/30m - 33/66/98ft selectable

Outdoor motion sensor - quad PIR

DI601 Outdoor PIR Detector is an outdoor motion detector and alarm trigger that uses two independent passive infrared detectors. Both sensors must trigger to cause the detector to signal an alarm. DI601 uses quad pyro technology to deliver precise, reliable presence detection.

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. DI601 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

DI601 design has a neat and professional appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring.



Standard Features

- 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 and humidity resistance (IP65)
- 5 years warranty

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Specifications

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.
N/O	Volt free relay, signal contact 24 VAC/DC at 50 mA with an integral 25 Ω series resistor. Alarm time 5 seconds.
N/C	Volt free relay, signal contact 24 VAC/DC at 50 mA with an integral 25 Ω series resistor. Alarm time 5 seconds.
Power input	9 to 15 VDC
Current	7 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	306 g net, 532 g gross / 10.79 oz net, 18.77 oz gross
LEDs	
Red	Programming LED
Blue	Detector Alarm
Infrared	Walk tester communication
Built in EOL resistors' values	1, 2.2, 3.3, 4.7, 5.6, and 6.8 k ohm
Mounting height	Variable up to 6 m / 20 ft. Optimum height 3 m / 10 ft. for full range
EN approved	EN 50130-5, Grade 2, Class IV
Incert	approved

Ordering Information

Part No.	Description
DI601	Outdoor PIR 10/20/30m - 33/66/98ft selectable
DI601-WT	Walk tester for DI601 and DDI602 series