DI601

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

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 180º of pan and 90º 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.



Details

- Electronic range setting: 10/20/30m
- Attractive aesthetics
- 10 to 70º detection angle
- 180º pan & 90º tilt for flexible install
- Sensor module is hidden
- Built in EOL resistors
- High dust and humidity resistance (IP55)
- 5 years warranty

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Technical specifications

General

Technology	PIR
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
Undercrawl protection	No
Alarm time	5 s

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
Relay configuration	Multiple EOL values

Electrical

Power supply value	9 to 15 VDC
Current consumption	7 mA (12 V nominal)

Physical

Physical dimensions	125 x 175 x 130 mm
Net weight	306 g
Shipping weight	532 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

Coverage

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

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.

Pulse count

	1 or 2

Temperature compensation

	Analogue (thermistor) and digital sensitivity adjustment

Control

	Digital microprocessor with nonvolatile memory

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

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Last updated on 18 June 2026 - 15:16