

DDI602-F3

Outdoor Dual Technology detector 9.9 GHz 10/20/30m - 33/66/98ft selectable

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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Technical specifications

General

| | |
|--------------|------|
| Technology | Dual |
| 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° |
| Undercrawl protection | No |
| Microwave frequency (nom.) | 9.9 GHz |
| 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. Alarm time 5 seconds. |
| 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 nominal |

Physical

| | |
|---------------------|--|
| Physical dimensions | 125 x 175 x 130 mm (W x H x D) |
| 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 |

Standards & regulation

| | |
|---------------|---------|
| EN50131 grade | Grade 2 |
|---------------|---------|

Coverage

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

| | |
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| | 180° pan, 90° tilt |
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Fresnel lens

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

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

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

| | |
|--|--------|
| | 1 or 2 |
|--|--------|

Temperature compensation

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

| | |
|--|--|
| | Digital microprocessor with nonvolatile memory |
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LEDs

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

Microwave module

| | |
|--|--|
| | 9.9 GHz (Germany, Austria, Greece, Italy, Thailand, UAE, UK) |
|--|--|

Built in EOL resistors' values

| | |
|--|---------------------------------------|
| | 1, 2.2, 3.3, 4.7, 5.6, and 6.8 k ohm. |
|--|---------------------------------------|

Mounting height

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

| | |
|--|------------------------------|
| | EN50130-5, Grade 2, Class IV |
|--|------------------------------|

Incert

| | |
|--|----------|
| | Approved |
|--|----------|

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