# 6931P

## Mini outdoor motion sensor, Dual Technology, 24 GHz

### Dual Technology outdoor motion sensor

The Mini Dual variants are outdoor motion sensors and alarm triggers that use two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm. They use triple detection technology to deliver precise, reliable presence detection.

### Easy and quick to install

Programmable options include a variable pulse count and LED able/disable functionality. Moreover, the integral dual-axis tilt sensor allows 90º of pan and 45º of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

### Aesthetics and hidden sensor module

The design has a neat appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring. It blends smoothly into residential outdoor applications.



### Details

- New outdoor family containing wired PIR, 2 Dual Technology variants and wireless PIR
- Attractive aesthetics
- 14 to 70º detection angle
- 90º pan & 45º tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

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## Technical specifications

### General

| | |
|---|---|
| Technology | Dual |
| Application type | Wall mount |
| Anti masking | No |
| Pet immune | No |
| Camera | No |
| Processor | Digital microprocessor with nonvolatile memory |

### Detection

| | |
|---|---|
| Max. detection range | 15 m |
| Detection range | 14 to 70° detection angle, 15 x 13 m |
| No. of curtains | 21 |
| Vertical optical axis adjustment | 45° tilt |
| Horizontal optical axis adjustment | 90° pan |
| Microwave frequency (nom.) | 24 GHz |
| Undercrawl protection | No |
| Fresnel lens | 20 zones for each detection element, which can be masked with the curtain sliders |
| Microwave module | X-band radar 24 GHz |
| Adjustment | 90° pan, 45° tilt |
| Customized optics | Double silicon shielded quad element eliminates 50,000 lux of white light |
| Pulse count | 1 or 2 |

### Wired/wireless

| | |
|---|---|
| Wired-wireless | Wired |

### Inputs/outputs

| | |
|---|---|
| Alarm relay characteristic | NC, volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor |
| Outputs | Silent, solid state, magnetically immune. PIR AND Microwave |

### Electrical

| | |
|---|---|
| Power supply value | 10 to 15 VDC |
| Current consumption | 8 mA (12 V nominal) |

### Physical

| | |
|---|---|
| Physical dimensions | 71 x 120 x 75 mm (W x H x D) |
| Net weight | 225 g |
| Shipping weight | 325 g |
| Colour | Bronze |
| Material | High impact ABS plastic with HDPE cover, UV stabilized |
| Mounting height | 3 to 6 m |
| Mounting height | Variable up to 6 m / Optimum height 3 m for full range |

### Environmental

| | |
|---|---|
| Operating temperature | -30 to +65°C |
| Environment | Outdoor |
| IP rating | IP65 |
| Temperature compensation | Analogue (thermistor) and digital sensitivity adjustment |

### LED

| | |
|---|---|
| | Orange : Microwave activated |
| | Red : PIR activated |
| | Orange & Red : Detector alarm |

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