# W76561

## 15 m Dual Technology motion sensor, DT15/100, English & Italian

### Performance Line- Dual Technology

The Performance Line is the line of legacy Guardall motion sensors (PQ15 and DT15 series) and both are intended for the protection of residential and commercial premises.
The Guardall DT15 incorporates a highly effective X-band microwave together with well-proven PIR technology. This pairing produces a superb dual technology sensor that greatly improves false alarm immunity. Anti-stealth is a highly intelligent mode that precisely analyses microwave and PIR activity in a room and significantly improves detection in extreme conditions.

A sneak mirror is used to improve catch performance below the sensor satisfying the EN50131Grade 2, Class II standard.
It has been designed to be simple to install with three LEDs within the sensor to facilitate efficient analysis of the technologies. Incorporating unique signature recognition for precise intruder detection, making DT15 ideal for environmentally challenging situations.



### Details

- 15 m volumetric coverage
- Quad pyro detector and X-band microwave
- Anti-Stealth technology™
- Adjustment-free optics
- Redesigned housing shared across platform range
- Varifocal lens design
- Enhanced DT processing
- EN50131 Grade 2

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## Technical specifications

### General

| | |
|---|---|
| Technology | Dual |
| Application type | Vægmontering |
| Anti masking | No |
| Pet immune | No |
| Camera | No |
| Microwave range adjustment | 50% to 100% of range via pot adjustment |
| Fluorescent lights | Microwave channel rejects these to within 2 m of an 80 W tube |
| End of line resistors | Selectable: (Alarm, Tamper, Aux) |
| | Option A: Guardall 8k2, 8k2, 8k2 |
| | Option B: 1k0, 1k0, 12k |
| | Option C: 4k7, 2k2, 2k2 |
| | Option D: 6k8, 4k7, 15k |
| Walk test LED's | RED - Unit alarm |
| | GREEN - Microwave channel |
| | YELLOW - PIR channel |
| Remote LED enable | Control of LED indication using Test line |
| Microwave/PIR trouble | Indicated on LED’s if selected |

### Detection

| | |
|---|---|
| Max. detection range | 15 m |
| Vertical optical axis adjustment | none required |
| Horizontal optical axis adjustment | ±5° corner mounted |
| Microwave frequency (nom.) | X-band |
| Max. microwave output (at 1m) | 0.011 µW/cm2 at 1m |
| Alarm time | 3 s |
| Peak-to-peak ripple immunity | 2 V (at 12 VDC) |

### Wired/wireless

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

### Inputs/outputs

| | |
|---|---|
| Alarm relay characteristic | Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance. |
| Tamper relay characteristic | Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance. |
| Relay configuration | Multiple EOL values |
| Remote control lines | Walk test |

### Electrical

| | |
|---|---|
| Operating voltage | 9 to 16 VDC |
| Power supply type | 12 VDC |
| Current consumption | 13 mA at 12 V (quiescent no alarm)<br>18 mA at 12 V (max. all LEDs ON) |

### Physical

| | |
|---|---|
| Physical dimensions | 110 x 66 x 42 mm (H x W x D) |
| Net weight | 135 g |
| Colour | Hvid |

### Environmental

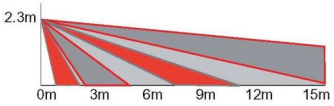
| | |
|---|---|
| Operating temperature | -10 to 55°C |
| Environment | Indendør |

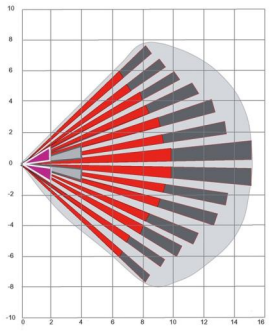
### Regulatory

| | |
|---|---|
| EN50131 grade | Lønklasse 2 |

### Inputs / outputs

| | |
|---|---|
| Test Input | Low or open circuit for LED disable, detector supply to activate |
| Tamper Output | Normally closed (NC), voltage free, solid state relay rated at 24 VDC, 50 mA |



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