

WatchIN™

Industrial Grade 3 Detector

The WatchIN™ Industrial Grade 3 Detector provides superior catch performance and immunity to false alarms, especially in extremely harsh environments such as production areas with operating machinery, construction sites, shipyards and hangars.

WatchIN™ includes RISCO Group's most advanced detection technologies including Anti-Cloak™ Technology, Sway Recognition Technology, Active Infrared for Anti-mask, GreenLine Technology and Remote Control & Diagnostics via Bus communication. WatchIN is designed to meet PD6662, EN 50131-1 and TS 50131-2-4 Grade 3, Environmental Class III.



- 2 MW and 2 PIR channels
- Coverage 25m(82') wide-angle
- Sway Recognition Technology for eliminating false alarms from objects that move repetitively but don't travel.
- Rubber seal provides IP65 environment rating:
 - Allows installation in high humidity areas such ocean swept open hangars
 - Eliminates ingress of dust particles common in industrial sites
- Protective Optical Shields eliminate false alarms from headlights or sun rays reflected from metal objects in production or warehouse areas
- Operating temperature -30°C to +60°C
- Active IR for anti-mask
- Microwave Anti-collision allows back-to-back or face-to-face installations
- Optional internal camera

RISCO
GROUP

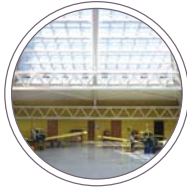
Creating Security Solutions.
With Care.

R/KONET

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Industrial Sites,
Production Facilities



Hangars,
Warehouses



Shipyards,
Construction Sites



Retail chains,
shopping malls

Sway Recognition Technology

Sway Recognition Technology is taken from the award winning WatchOUT Outdoor Detector and uses two microwave channels to recognize and exclude objects that move repetitively but don't travel, such as machinery parts or moving blinds.

Bus Installation together with ProSYS

Install WatchIN on the Bus of RISCO Group's ProSYS Integrated Security Systems and enjoy additional benefits:

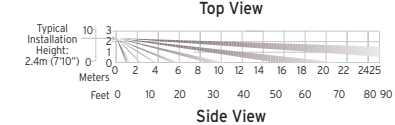
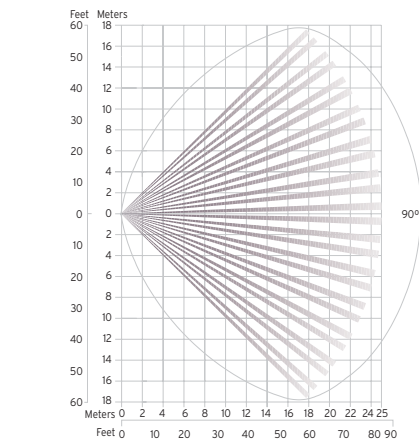
- Save on wiring costs with shorter cabling lengths due to serial in place of star connection
- Simple 4 wire connection for all applications
- Advanced Remote Diagnostics including detector input voltage and status of the PIR and MW channels (signal voltage and noise levels)
- Remote Control of detector parameters including status and setting of Detection Sensitivity, MW Range Setting, LEDs On/Off, GreenLine On/Off, Sway Recognition On/Off, etc.

Specifications

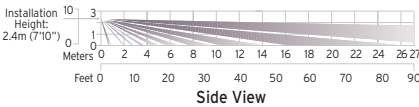
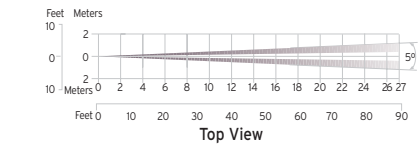
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|--|---|
| EN50131 Grade | Grade 3 |
| Detection method | 2 Microwave channels + 2 PIR channels |
| Wide Angle Coverage (Standard lens) | 25m (82') 90° |
| Mounting height with wide angle lens | 2.4m to 3.7m (7'10" to 12'2") |
| Barrier Coverage (Lens supplied in detector package) | 27m (88") 5° |
| Mounting height with barrier lens | 2.4m (7'10") |
| Anti-Cloak™ Technology (ACT) | ✓ |
| GreenLine Technology | ✓ |
| Anti-Mask detection method | Active Infrared |
| Built-in EOL resistors | Double/Triple EOL, Jumper selectable |
| True Temperature Compensation | ✓ |
| Operating voltage | 9 to 16VDC |
| Current Consumption - Relay Mode | 45mA at 12VDC (standby) 60mA (Max. with LED on) |
| Current Consumption - Bus Mode | 30mA at 12VDC (standby) 45mA (Max. with LED on) |
| Alarm contacts | 1A, 30VDC, Form C changeover relay |
| Tamper contact | 100mA, 24V, N.C. |
| Mask/Fault contact | Opto-relay 100mA, 24V, N.C. |
| Optical filtering for white light protection | ✓ |
| RF immunity | 40V/m from 10MHz to 1GHz |
| Ingress Protection rating | IP 65 with rubber seal |
| Operating temperature | -30°C to 60°C (-22°F to 140°F) |
| Dimensions | 215 x 95 x 85 mm (8.5 x 3.75 x 3.35 inch) |

Coverage Patterns

Wide angle lens



Barrier lens



| | |
|--------------|---|
| RK325DT00xxA | WatchIN Grade 3 DTAM c/w Standard Swivel and Barrier replacement lens |
| RA300B00000A | Barrier bracket (for installation 90° to wall) |
| RA300P00000A | Pole adaptor |
| RA300C00000A | Conduit adaptor (for use when wiring is external to wall, or with pole adaptor when wiring is external to pole) |
| RA300SC0000A | Swivel Metal Conduit (for use when wiring is external to wall, together with standard swivel) |
| RA300HS0000A | WatchIN Demo Housing c/w Standard Swivel |
| RA300VC000IA | Camera Cover Adaptor for WATEC cameras (does not include camera) |
| RA300VC053PA | PAL Camera Kit*, 53° Field of view |
| RA300VC017PA | PAL Camera Kit*, 17° Field of view |
| RA300VC053NA | NTSC Camera Kit*, 53° Field of view |
| RA300VC017NA | NTSC Camera Kit*, 17° Field of view |
| RA300VPS100A | 220VAC to 6VDC camera power supply |
| RA300VPS200A | 110VAC to 6VDC camera power supply |

xx select the microwave frequency for your market according to the following list:

- OO - 10.525 GHz for most countries
- UK - 10.687 GHz for UK
- FR - 9.9 GHz for France and Czech Republic
- DE - 9.35 GHz for Germany

* Camera Kit includes a camera assembled in a detector cover, suitable for assembly on any WatchIN or WatchOUT detector. Camera Kit does not include detector.

PD6662, EN50131-1, TS50131-2-4
Grade 3, Environmental Class III



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With Care.

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