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
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Creating Security Solutions.
With Care.

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Coverage Patterns

Wide angle lens

Top View

Side View

Barrier lens

Top View

Side View

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.

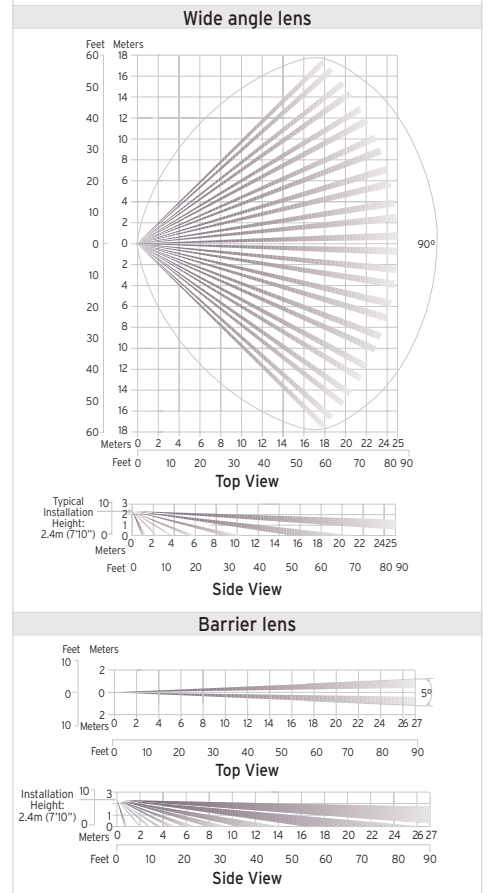## Bus Installation together with ProSYS

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

EN50131 Grade	Grade 3
Detection method	2 Microwave channels + 2 PIR channels
Wide Angle Coverage (Standard lens)	25m (82') 90º
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'') 5º
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	-30ºC to 60ºC (-22ºF to 140ºF)
Dimensions	215 x 95 x 85 mm (8.5 x 3.75 x 3.35 inch)

RK325DT00xxA	WatchIN Grade 3 DTAM c/w Standard Swivel and Barrier replacement lens
RA300B00000A	Barrier bracket (for installation 90º to wall)
RA300P00000A	Pole adaptor
RA300C00000A	Conduit adaptor (for use when wring 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
RA300VC0001A	Camera Cover Adaptor for WATEC cameras (does not include camera)
RA300VC053PA	PAL Camera Kit*, 53º Field of view
RA300VC017PA	PAL Camera Kit*, 17º Field of view
RA300VC053NA	NTSC Camera Kit*, 53º Field of view
RA300VC017NA	NTSC Camera Kit*, 17º 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:
00 - 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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