

## WatchOUT™ Specifications

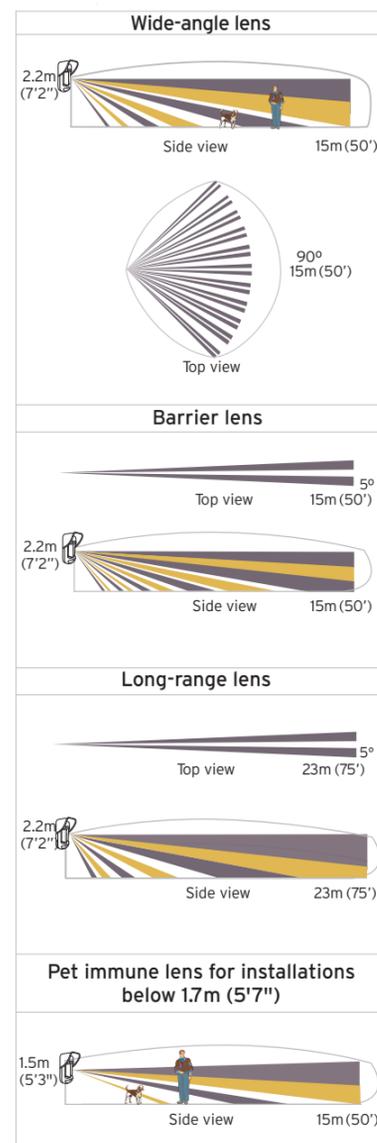
	WatchOUT DT Extreme	WatchOUT PIR	Wireless WatchOUT
Wide angle coverage	15m (50ft) 90°	12m (40ft) 90°	
Long-range coverage	23m (75ft) 5°	Coming soon	
Barrier coverage	15m (50ft) 5°	-	
RISCO Group System Addressable Bus Detector	✓	✓	-
Detection Channels	Two microwave and Two PIR channels	Two PIR channels	
2 PIR channel detection method	Digital Correlation™ Technology	2 separate detection areas with adjustable PIR	
2 Microwave channels detection method	Sway Recognition™ Technology	-	
Active IR Anti-mask	✓ Detects beyond hood	-	
Anti-Sabotage	Directional proximity alert using 2 microwave channels	-	
Mounting height	1m to 2.7m (3'3" to 8'10") 2.2m (7'2") for Barrier and Long Range lenses	0.8-1.2m (2'7"-3'11")	
Pet immunity	Animals up to 70cm (2'4") head height with no weight limitation	45kg (100lb)	
Dirty lens alert	✓	-	
Operating voltage	9-16 VDC		3V Lithium Batteries
Alarm contact	NC, 100mA, 24 VDC		-
Tamper contact	NC, 100mA, 24 VDC		-
Mask/Fault contact	NC, 100mA, 24 VDC	-	-
Dirty lens output	70mA open collector	-	-
Environment rating		IP 65	
Operating temperature	-30°C to 60°C (-22°F to 140°F)		-25°C to 60°C (-13°F to 140°F)
Dimensions (LxWxD)	230 x 121 x 123mm (9" x 4.76" x 4.85")		

Specifications subject to change without prior notice

## Ordering Information

RK315DT0000C	WatchOUT DT Extreme
RK315DT0000SC	WatchOUT DT Extreme for US
RK312PR0000B	WatchOUT PIR
RWT312PR800B	Wireless WatchOUT, 868MHz
RWT312PR400B	Wireless WatchOUT, 433MHz
RWX312PR800B	2-Way Wireless WatchOUT, 868MHz
RWX312PR400B	2-Way Wireless WatchOUT, 433MHz
RA300S00000A	Standard Swivel for Wireless & PIR models (supplied with DT model)
RA300B00000A	Barrier swivel for installation 90° to the mounting surface
RA300P00000A	Pole adaptor for professional installation on poles
RA300C00000A	Conduit adaptor for installation with wiring external to the wall, when not using the standard swivel
RA300SC0000A	Swivel Metal Conduit for installation with wiring external to the wall, when using the standard swivel
RA300HS0000A	WatchOUT without electronics for "scarecrow" installation
RA300VC0000A	WatchOUT cover with adaptor for WATEC CCD camera (camera not included)

## WatchOUT DT Extreme Coverage Patterns



# WatchOUT™ eXtreme

## Reliable Outdoor Detection

Providing reliable intruder detection in outdoor environments is a huge challenge, that has been met above all expectations by the award winning WatchOUT™. Based on market demand, the improved WatchOUT™ eXtreme provides better 24-hour protection against vandalism, with both Active IR Anti-mask and Proximity alerts. This together with RISCO Group's unique outdoor detection technologies, Sway Recognition™ and Digital Correlation™, take WatchOUT's performance to the extreme.

.... Because being No. 1 is a commitment. To Care.



### Highlights:

- 4 detection channels: 2 Microwave and 2 PIR
- Coverage: Wide angle: 15m (50') 90°, Long-range: 23m (75') 5°, Barrier: 15m (50') 5°
- Pet friendly up to 70cm (2'4") animal height
- Microwave anti-collision allows back-to-back installation
- Protective hood and IP65 environment rating
- Unique Remote Control and Diagnostics
- Opto relays for defeating large magnets
- **New!** Analytic Anti-mask with both Active IR and Proximity alerts



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**WatchOUT™ eXtreme incorporates cutting edge technologies for reliable performance in harsh outdoor environments**

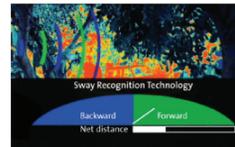
**Unique Detection Technologies**

WatchOUT eXtreme's selective event recognition is enabled by 4 detection channels

**Sway Recognition™ Technology**  
Powered by two Microwave channels

Trend-setting technology that recognizes and excludes objects that sway but do not travel such as bushes, swaying signs, etc.

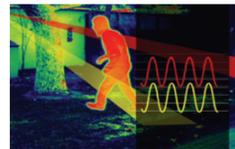
The two microwave channels distinguish between microwave pulses of approaching and receding targets, thus measuring the target's net travel distance. Objects that sway but don't travel are cancelled out, and only real intrusion threats are detected.



**Digital Correlation™ Technology**  
Powered by two PIR Channels

Digital Correlation™ Technology ensures that only targets that cause similar and correlated signals in both PIR channels are potential threats.

Two independent PIR channels with separate lenses create a vertically interlacing detection pattern, achieving high false alarm immunity even in unstable outdoor environments. Rapid temperature changes, reflections and pets - which due to their size cannot be in both PIR detection patterns at the same time - are cancelled out.



For more information view the WatchOUT movie at [www.riscogroup.com/Movies.aspx](http://www.riscogroup.com/Movies.aspx)

**24-Hour Protection against Vandalism**

The new WatchOUT™ eXtreme version now provides better 24 hour protection against sabotage and masking

**Analytic Anti-mask with both Active IR and Proximity alerts**

**Active IR Anti-Mask** now detects both masking of the lens itself and bags or rags hung over the hood.

**Proximity Anti-Sabotage** issues an alert before the detector is damaged or masked. Unique use of both microwave channels identifies approaching individuals - with directional and proximity analysis.



**Remote Control and Diagnostics**

Installing WatchOUT™ on the Bus of ProSYS™ Integrated Security System enables remote parameter setting and advanced diagnostics, from the ProSYS™ keypads or via the upload/ download software.

Parameters such as Detection Sensitivity, MW range, LEDs on/off, etc. can be set remotely. Remote interrogation of WatchOUT™ includes power supply voltage input level, PIR and microwave signal and noise levels.

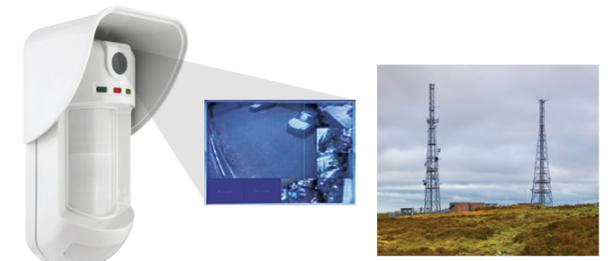
Up to 128 WatchOUT™ detectors can be installed on the Bus of ProSYS™ Version 7 and above. This advantage simplifies installation and saves on wiring costs, as only 4 wires enable full functionality and serial connection.



**Whatever the application, WatchOUT™ provides the optimal solution**

**WatchOUT™ with Camera**

WatchOUT™ detectors enable inclusion of a high-definition camera for viewing the cause of the alarm. Outdoor detector cameras are ideal in applications where budget is limited. It is more cost-effective to install a WatchOUT with camera than a separate weatherproof camera.



**WatchOUT™ is ideal for protecting remote antenna sites**

WatchOUT™ is only outdoor that is reliable enough for protecting remote sites in harsh outdoor environments. From WatchOUT™ connected on the ProSYS™ Bus through IP or GSM/GPRS to SynopSYS™ in the Control Room, RISCO Group has the perfect solution.

**Wireless WatchOUT™**

The Wireless WatchOUT has been redesigned to provide better than ever false alarm immunity using 2 PIR channels with 2 separate detection areas. Only when an intruder is detected inside both areas is the alarm triggered, eliminating false alarms from pets and reflections. The 2-Way Wireless models support remote parameter setting and diagnostics.

Installing 2-Way Wireless WatchOUT™ with RISCO Group's Agility™ provides the ultimate wireless security solution.



**Installation Flexibility ensures precise coverage**

WatchOUT™ detectors offer exceptional installation flexibility, enabling precise coverage of the protected terrain. WatchOUT™ eXtreme is now also much easier to install with the hood attached to the cover for easier access to terminal block wiring, snap on swivel and more.

With the Anti-Collision feature that helps achieve optimal and cost-effective coverage, WatchOUT™ can be installed face-to-face or back-to-back. WatchOUT's eXtreme's flexible installation is also due to the detector's variable mounting height - from 1.0m to 2.7m (3' to 8') - and to the wide range of available swivels: wall swivel, barrier swivel, conduit bracket and pole adaptor bracket.

