WatchOUT™ by RISCO Group - Reliable Outdoor Detection Begins Here!

Covering a wide array of applications from small and mid-sized installations to large-scale operations, WatchOUT™ is a robust, reliable detection system that offers the following features:

- **True-Wave™ Technology** ensures accurate detection by using two microwave channels, eliminating false alarms.
- **Sway Recognition Technology** and **Swaying Recognition** are employed to detect and exclude swaying objects or false targets, such as tree limbs or leaves.
- **Pet Immunity** up to 70cm (2'4") allows for installation near pets and pets that move around.
- **Mounting Height** range of 1.0m to 2.7m (3'3" to 8'10") provides flexibility in installation height.
- **Coverage Patterns** include long-range and barrier coverage options to suit various application needs.
- **Barrier lens** for installations below 1.7m (5'7") adds another layer of security.
- **Provision for Alarm System** allows for easy integration with existing security systems.
- **Indoor Use** and **Outdoor Use** versions cater to different installation environments.
- **False Alarms Minimized** through advanced detection algorithms and environmental considerations.

Providing reliable detection in diverse settings with high-performance features ensures the safety and security of properties worldwide.
Quarto

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4 Active IR channels for Anti-Mask and Dirty Lens Alerts

2 PIR channels with protective shielding enable Digital Correlation Technology

2 MW channels enable Sway Recognition Technology

Digital Correlation Technology

Digital Correlation Technology is based on comparing the signals of two independent PIR channels, with separate lenses that create a vertically interlacing detection pattern. Digital Correlation Technology ensures that only targets that cause similar and correlated signal patterns in both PIR channels are taken into account. This eliminates false alarms from pets, reflections, car headlights, and rapid temperature changes caused by wind or changing sun/shade patterns from cloud movement.

Digital Correlation Technology is a major improvement over conventional detectors with two PIR channels, which may false alarm when unrelated events, with different signal patterns, occur simultaneously in each of the PIR channels.

Wireless WatchOUT

Now you can install the award winning WatchOUT without the hassle of wiring!

Wireless WatchOUT has identical detection features to the WatchOUT PIR, with the addition of Active IR for Anti-mask, making it the only wireless outdoor detector with anti-masking capability. Wireless WatchOUT is compatible with RISCO Group’s Wireless Systems and Receivers. Two long-life lithium batteries are included.

Remote Diagnostic and Control

Up to 32 WatchOUT detectors can be installed on the bus of RISCO Group’s ProSYS Integrated Security System with no need for physical zone expanders. This provides time-saving remote control of all detector settings and advanced remote diagnostic capabilities, via the ProSYS keypad or the Upload/Download software.

Remote Diagnostic and Control capabilities

- LED control: 3 LEDs / 1 LED / Off
- Detection sensitivity
- MW range
- Alarm logic: AND / OR
- Lens type: Wide-angle / Long-range
- Anti-mask: On / Off
- Follow arm: On / Off

Remote Diagnostic capabilities

- Voltage input to the detector
- Signal level and noise level of each PIR sensor
- Signal level and noise level of each MW channel
- Software version

Installation flexibility for precise coverage

WatchOUT™ detectors feature exceptional installation flexibility, allowing you to plan for coverage for the terrain to be protected. This flexibility is due to the detector’s variable mounting height from 1.0m to 2.7m (3'3" to 8'10"), and due to the wide range of mounts available: Standard Wall Swivel, Barrier Swivel, Conduit Adaptor, Swivel Metal Conduit, and Pole Adaptor, all with anti-vandal wire protection. The Swivel Metal Conduit provides a solution for installations with the Standard Swivel when wiring is external to the wall.

Sway Recognition Technology

Sway Recognition Technology recognizes and excludes objects that sway but don’t travel such as tree branches, bushes, swaying signs, etc. Sway Recognition Technology is enabled by two microwave channels that distinguish between the microwave pulses of approaching and receding targets, thus measuring the target’s net distance. Objects that sway but don’t move more than a set distance are cancelled out.

Anti-Mask and “Dirty Lens” alerts

Anti-mask protection is achieved by 4 active IR channels that continuously monitor and warn of any lens masking attempts. The 4 active IR channels also provide a unique “dirty lens” alert via a separate output or via the ProSYS bus, indicating that lens cleaning is required.

Wireless WatchOUT with Camera

WatchOUT detectors enable inclusion of a high-definition camera for viewing the cause of the alarm. Camera options include high definition colour or black and white cameras with wide-angle or long-range lenses. 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 weather-proof camera.

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