

# Security Beyond Your Expectations



The Wired Beyond DT detector integrates RISCO's state-of-the-art innovative technologies for to deliver optimal protection for homes, businesses, industrial and remote sites - the preferred choice for both customers and security professionals.

- ➔ K-band microwave technology assuring an exceptional combination of high catch performance and false alarm immunity.
- ➔ Aesthetically pleasing design to address contemporary home decor.
- ➔ Advanced detection with 4 sensing channels: 2 Microwave and 2 PIRs providing the best answer to the challenges of outdoor security.
- ➔ Range Control – adjustable swivel for variable, accurate range setting.
- ➔ Flexible installation options including RISCO Bus diagnostics & control and cost-effective installation & maintenance.



## Unique Detection Technologies

The Wired Beyond optimally overcomes the most challenging factors that affect an outdoor detector's performance – the ability to provide reliable intrusion detection in adverse environmental conditions with a minimal rate of false alarms and 24-hour protection against vandalism.



### K-Band Microwave

Unparalleled Catch Performance enabled with Dual Technology that combines two K-band microwave channels with two PIR sensors for better catch performance and pet immunity, minimizing false alarms.



### Range Control

An adjustable swivel allows you to set a specific detection range required for covering the customer's premise only, avoiding false alarms from external objects.



### Digital Correlation

Digital Correlation™ technology filters out detection due to rapid changes in temperature and small moving objects such as pets, and instead increases the signal of real threats by correlating 2 PIR channels.



### Direct Sunlight Immunity

Direct Sunlight Immunity avoids common false alarms due to sudden changes in the intensity of sunlight, and prevents intense light from blinding the detector.



### Active IR Anti Mask

Active IR Anti Mask technology senses any covering or obstruction of the lens, such as spraying or hanging an item over the detector, to effectively prevent avert attempts at avoiding detection.



### Sway Recognition

Sway Recognition technology recognizes and dismisses natural, repeated outdoor movements, such as trees swaying in the wind.

## Installation Flexibility ensures precise coverage



The wired Beyond offer exceptional installation flexibility, enabling precise coverage of the protected area.

The Beyond's flexible installation is also due to the detector's variable mounting height - from 1.8m to 2.7m.

The adjustable 180° Swivel Bracket has been designed to provide the installer with flexibility to set the range according to the needs between 5-12m.



Beyond Delivers an unprecedented level of Protection for large variety of residential, commercial, and industrial sites and applications from private homes and small business to antenna sites and large commercial facilities.

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### Private Homes

Beyond provides a perfect solution for securing the outdoor area of private homes, detecting intruders before they reach the house. Protecting driveways & gardens, securing swimming pools from unauthorized access and even rooftops.

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### Remote sites

Even in the most adverse environmental conditions, Beyond can protect remote and unmanned sites such as substations, cellular antenna and utilities sites from vandalism and the theft of onsite valuable materials such as copper, batteries and fuel.

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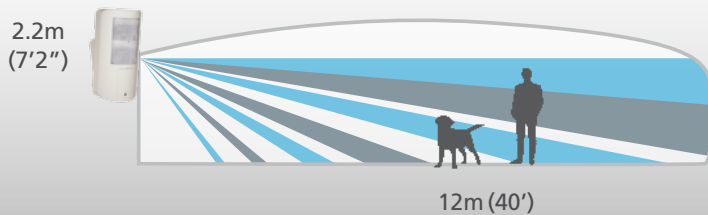
### Commercial and Industrial Locations

Beyond is suitable for securing any commercial and industrial location from intruders, securing loading docks, storage facilities, Vacant facilities and parking lots and protecting supermarkets, hospitals and schools from HVAC systems theft.

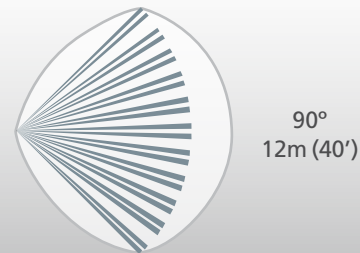


## Detection Coverage

### Side view



### Top view



## Technical Specifications

Model	RK350DT
Coverage	12 m (39.4 ft), 90°
Installation height	1.8-2.7 m (70.9-106.3 ft.)
Microwave	K-Band, two channels
PIR	2 dual element sensors, 2 separate lenses
Anti-Mask detection method	Active infrared
Tamper	Wall & cover
Pet-friendly	Animals with head height to 50 cm (20 in)
Built-in EOL resistors	TEOL (triple end-of-line)
Output contacts: 100 mA, 24 V, N.C.	Alarm, tamper & fault/AM
Operating voltage	9 to 16 VDC
RF immunity: 10 MHz to 3 GHz	According to EN50130-4
Operating temperature	-25° C to 65° C (-13° F to 149° F)
Storage temperature	-25° C to 70° C (-13° F to 158° F)
Environmental rating	IP54
Dimensions (H x W x D)	167 x 88 x 106 mm (6.6 x 3.5 x 4.2 in)

## Ordering Information

Description	Model Name
Beyond DT	RK350DT
Beyond 180° Swivel bracket	RA350S

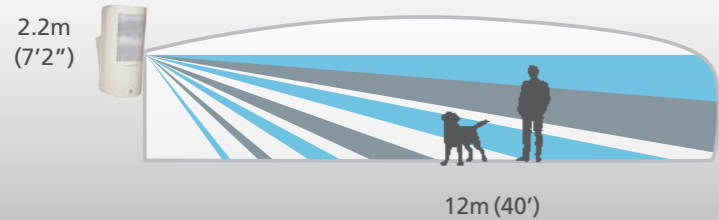
Specifications subject to change without prior notice.



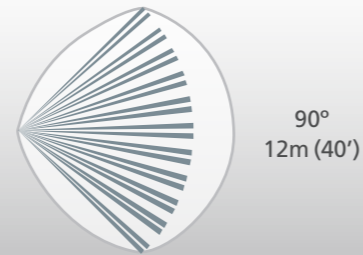
For more information on RISCO Group's full product line,  
please visit: [www.riscogroup.com](http://www.riscogroup.com)

## Detection Coverage

Side view



Top view



### Technical Specifications

	Wireless DT
Model	RWX350D
Coverage	12m, 90°
Installation Height	Typical 2.2m
Microwave	K-band, 2 channels
PIR	2 dual element sensors, 2 separate lenses
Frequency	868.65 MHz/433.92 MHz
Anti-Mask detection method	Active Infrared
Tamper	Wall, 3-axis Accelerometer
Pet Friendly	Animals up to 50cm head height
Operating voltage	3xCR123 3V lithium batteries
Battery life (Typical)	3 Years, 6 Years with Solar Option
RF Immunity: 10MHz to 3GHz	According to EN50130-4
Operating Temp.: -25° C to 65° C	✓
Storage Temp.: -25° C to 70° C	✓
Environmental Rating	IP 65
Dimensions (HxWxD)	176X89X107mm
<b>Unique to RISCO</b>	
Wireless Dual Technology	✓
Solar Power Swivel Option	✓
Shock Based Tamper (Accelerometer)	✓
Direct Sunlight Immunity	✓
Advanced Outdoor Detection algorithms	Sway Recognition, Digital Correlation

### Ordering information – Accessories

Description	Model name
WL Beyond 180° Solar Swivel	RWX350S
Beyond DT 180° Swivel kit	RA350S

Specifications subject to change without prior notice.



For more information on RISCO Group's full product line, please visit [riscogroup.com](http://riscogroup.com)

# Wireless Security Beyond Your Expectations



The Wireless Beyond DT detector integrates RISCO's state-of-the-art innovative technologies for optimal protection. The Wireless Beyond offers flexibility, ease of installation and auxiliary solar Swivel for unprecedented battery life.

- ➔ Wireless Dual technology (DT) for superior detection performance.
- ➔ K-band microwave technology assuring an exceptional combination of high catch performance and false alarm immunity.
- ➔ Unique solar power swivel for unprecedentedly long battery life.
- ➔ Remote configuration of detector parameters for simple installation and maintenance.



**Unparalleled Catch Performance enabled with Dual Technology**

Dual Technology (DT) combines two K-band microwave channels with two PIR sensors for better catch performance and pet immunity, minimizing false alarms.



**Flexible Installation**

Beyond is completely wireless and simple to install in any location that lacks wiring infrastructure. Setting the most effective and appropriate range according to specific installation requirements is allowed thanks to the flexible installation of both adjustable 180° Swivel Bracket, as well as the mounting height, which varies from 1.8m to 2.7m.



**Unique Detection Technologies designed for the Outdoors**

RISCO Group's Sway Recognition™ Technology recognizes and dismisses objects that sway and move repeatedly, such as swaying bushes and trees, eliminating them as intrusion events. Digital Correlation™ Technology ensures that only targets causing similar and correlating signals in both PIR channels are seen as potential threats.



**Direct Sunlight Immunity to eliminate false alarms**

RISCO Group's Direct Sunlight Immunity is based on a special algorithm that ignores sudden changes in the intensity of the sunlight, thus eliminating one of the major causes of false alarms in the outdoor environment.



**Solar Swivel for Extended Battery Life**

Beyond solar swivel has an auxiliary, chargeable solar powered battery in addition to its regular power source, providing extended battery life, which is both cost effective as well as a green solution.



**Wireless DT and Wireless DT CAM options available**

Beyond is available in both wireless DT and wireless DT CAM versions.

The wireless DT version is compatible with all of RISCO's wireless and hybrid control panels.

The wireless DT CAM model with integral camera supporting visual verification and is compatible with RISCO's wireless control panels.



**Ultimate protection against vandalism**

Outdoor detectors can be particularly vulnerable to tamper and vandalism. In addition to the IR anti-mask solution that senses any covering or obstruction of the lens, the wireless Beyond features a unique built-in 3-axis accelerometer that identifies movement of the detector in 3 dimensions. This mechanism provides an ultimate protection for the detector, alerting sabotage events even if the tamper mechanism has not been physically violated.



**Weather Proof Housing - IP65 Rating**

The wireless Beyond has IP65 environmental rating for complete protection against water (rain) and dust.



**Remote Diagnostics and Control**

Beyond Wireless can be controlled, configured and diagnosed by RISCO Group's Configuration Software. The CS is an advanced application that allows installation companies to remotely diagnose and maintain devices, saving costly site visits.

**Selected Applications**



**Beyond for Private Homes**

Beyond provides a perfect solution to securing the outdoor area of private homes, detecting intruders before they reach the house. Wireless models can be installed anywhere within the property, without an electric power source.



**Beyond for Remote Sites**

Beyond can be installed at any remote site, securing it from intruders or vandals. In the event of an intrusion, the camera will take a series of images that can be used as valuable evidence.



**Beyond for Industrial Locations**

Beyond is suitable for securing any industrial location from intruders. The fully wireless models are ideal for difficult installations eliminating the restriction of cable locations.