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CATALOGUE 2014/15

**Creating Security Solutions.**  
**With Care.**



Company Profile ..... 3

Cloud enabled security solutions ..... 4

**Security Management Solutions ..... 5**

Vertical Markets ..... 7

SynopSYS Integrated Security & Building Management™ ..... 9

axesplus® ..... 11

**Security Systems ..... 17**

Intrusion Technologies ..... 19

ProSYS™ Plus ..... 22

LightSYS™ 2 ..... 26

Agility™ 3 ..... 30

Wireless Accessories ..... 34

Keypads ..... 43

Detection Technologies ..... 45

WatchOUT™ ..... 47

Barrier Beams ..... 49

Industrial LuNAR™ ..... 51

WatchIN™ ..... 52

Seismic Detector ..... 53

BWare™ ..... 54

iWISE® ..... 55

LuNAR™, ShockTEC™, Vitron™ ..... 56

Sounders: ProSOUND™ ..... 57

Sounders: LuMIN8™ ..... 58

System & Detector Feature Tables ..... 59

Approvals ..... 62

RISCO Offices ..... 63



**Care for Innovation**  
**Care for Quality**  
**Care for Customers**  
**This is RISCO Group.**

RISCO Group is a recognized leader in the global security solutions market. Established in 1978 as Rokonet, a manufacturer of high quality detectors, RISCO Group has evolved to become a market leader and innovator of creative, advanced solutions for the security industry, renowned worldwide.

RISCO Group designs, manufactures and markets end-to-end solutions for the full gamut of security installations; from wired, wireless and hybrid intrusion systems for residential and commercial establishments, including a full range of accessories to complement each system, to integrated security and building management software and large-scale access control systems suitable for major enterprises.

RISCO Group is a technological leader, dedicated to providing flexible, simple to install and use, smart and cost-effective security solutions that are popular among end-users and installers alike. Our cloud based and SaaS solutions enable efficient and economical installations and also facilitate our powerful smartphone app which gives our customers the freedom to remotely control their alarm systems in addition to viewing video and still images of their premises on demand, addressing the growing trend of self-monitoring. We are committed to the continuous development of our products in order to provide the most innovative systems available on the market today.

Always dedicated to providing our customers with unparalleled pre and post-sales, service and technical support, we work with a global network of subsidiaries, distributors and partners and are available 24/7 to assist in any way that we can.



### Cloud Enabled Security Solutions

RISCO Group provides cloud-enabled solutions as part of our mission to provide the very latest in technological innovation for our customers. The cloud allows us to provide our services through the internet and the flexibility to seamlessly upgrade and add capabilities to our products which the customer can access without any additional capital investment on their side.

The cloud is now central to all of RISCO Group's offerings; from the LightSYS™ 2, Agility™ 3 and ProSYS™ Plus security systems through the axesplus® access control system. For all of these products, the customer/installer can communicate with the cloud either through the control panel, smartphone app or web interface and access the relevant information. The cloud enables systems to be remotely configured and diagnosed, and upgrades to be seamlessly applied, all with minimal effort on the customer's behalf.

Our cloud based solutions enable our partners to offer usage-based business models to their customers which benefit both parties. Our partners receive recurring revenues and a higher customer retention rate, while the customers pay only for the services that they require with minimal investment in infrastructure/IT costs.

In addition, the cloud allows easy upgrades, expansion and addition of services with no disruption in performance.

The cloud utilizes all of the most stringent security technologies including encryption, advanced firewalls and additional security safeguards that comply with the most rigorous security standards to ensure that data cannot be accessed by unauthorized users.

# Security Management Solutions



Organizations today face complex security management challenges, and a broad range of security processes and technologies are necessary to address potential security threats.

Organizations must mitigate the risks and maximize their security in such a way that ensures business continuity and achieves operational efficiency across the board with acceptable costs.

RISCO Group offers comprehensive security management solutions designed for enterprises and clients with multi-site infrastructures. The total solution is made up of axesplus®, a centrally managed, scalable cloud-based access control system with no limit on the number of doors, RISCO Group's range of intrusion detection solutions that detect and provide real-time alerts of intrusions and additional integrated security solutions. The SynopSYS Integrated Security & Building Management™ platform incorporates the systems into an integrated management program using a single interface and intuitive synoptic maps.

These highly scalable, multi-site security management solutions address the requirements of centralized security management for organizations, enforcing complex security policies into manageable and easy to handle tools.

RISCO Group's Security Management Solutions can be adapted for any organization, but pre-customized solutions have been devised for six vertical markets, each with their own specific challenges and requirements:



## Banking

Banks typify a multi-site architecture composed of headquarters, multiple branches, safes/vaults, outlying ATMs and data centers requiring 24/7 security. The banking sector demands the tightest security measures to safeguard its buildings, assets, and employees against all potential threats and risks.



## Education

Universities and colleges typify campus environments, comprised of a wide range of buildings which are connected by roads or walkways. Educational facilities are commonly public buildings, but face the challenge of maintaining their open nature while also protecting the welfare of the students. Due to the sheer size, scale and challenges of protecting modern college and university campuses, customized security solutions are required.



## Retail

Retail companies characterize a multi-site architecture composed of headquarters, stores in different locations and on-site as well as off-site storage rooms. Retailers face the challenges of protecting staff, customers and inventory while maintaining a safe and pleasant shopping experience. The retail process requires high security measures and detailed procedures to protect the inventory from theft, loss and damage.



## Healthcare

Hospitals and clinics are typically public buildings divided between multiple sites and with a large number of doors accommodating the high volume of staff, patients and visitors passing through on a daily basis. Healthcare organizations demand first-class security systems and procedures to protect their buildings, equipment, staff and patients in addition to sensitive information and medicines against all potential threats and risks.



## Utility Corporations

Utility corporations provide essential services to the public that are crucial for quality of life, including electricity, gas, telecom, water and television cable systems. Typifying remote sites and often located in obscure outdoor and sometimes harsh environments, they are frequently unmanned, with no physical presence for security or operational purposes.

These utility sites demand sophisticated surveillance and security systems that can be managed and monitored remotely and can also withstand the full range of threats.



## Multi-Tenant Buildings

Multi-tenant buildings describe privately owned commercial buildings in which office space is rented out to multiple organizations (tenants) while a single management company oversees the building and security needs of the whole site. Multi-tenant buildings require a centrally managed security solution that can be deployed on or off-site and can incorporate the specific security requirements of each tenant as well as those pertaining to the public areas.



**SynopSYS™**  
Integrated Security & Building Management

The SynopSYS Integrated Security & Building Management™ platform is designed to address the specific needs of Command and Control security centers.

Using intuitive synoptic maps to display and monitor all secured areas and combining them into one single interface, SynopSYS Integrated Security & Building Management™ can control all essential security requirements including intrusion detection systems, video monitoring, access control, fire detection, HVAC and building management.

The SynopSYS Integrated Security & Building Management™ system is compatible with single and multi-site environments, including commercial and public buildings, complexes and distributed organizations.

Incorporating simple deployment and a user-friendly interface, SynopSYS Integrated Security & Building Management™ guarantees reduced risk and liability, cuts operational costs and increases compliance with organizational security regulations.





# axesplus®

An RSP™ Solution

axesplus® is a scalable and customizable cloud-based access control system.

Designed for multi-site environments and with no limit on number of doors, axesplus® offers a centrally managed, smart and intuitive system that enables users to utilize the same access card for entrance to both single and multiple sites regardless of building size or site location.

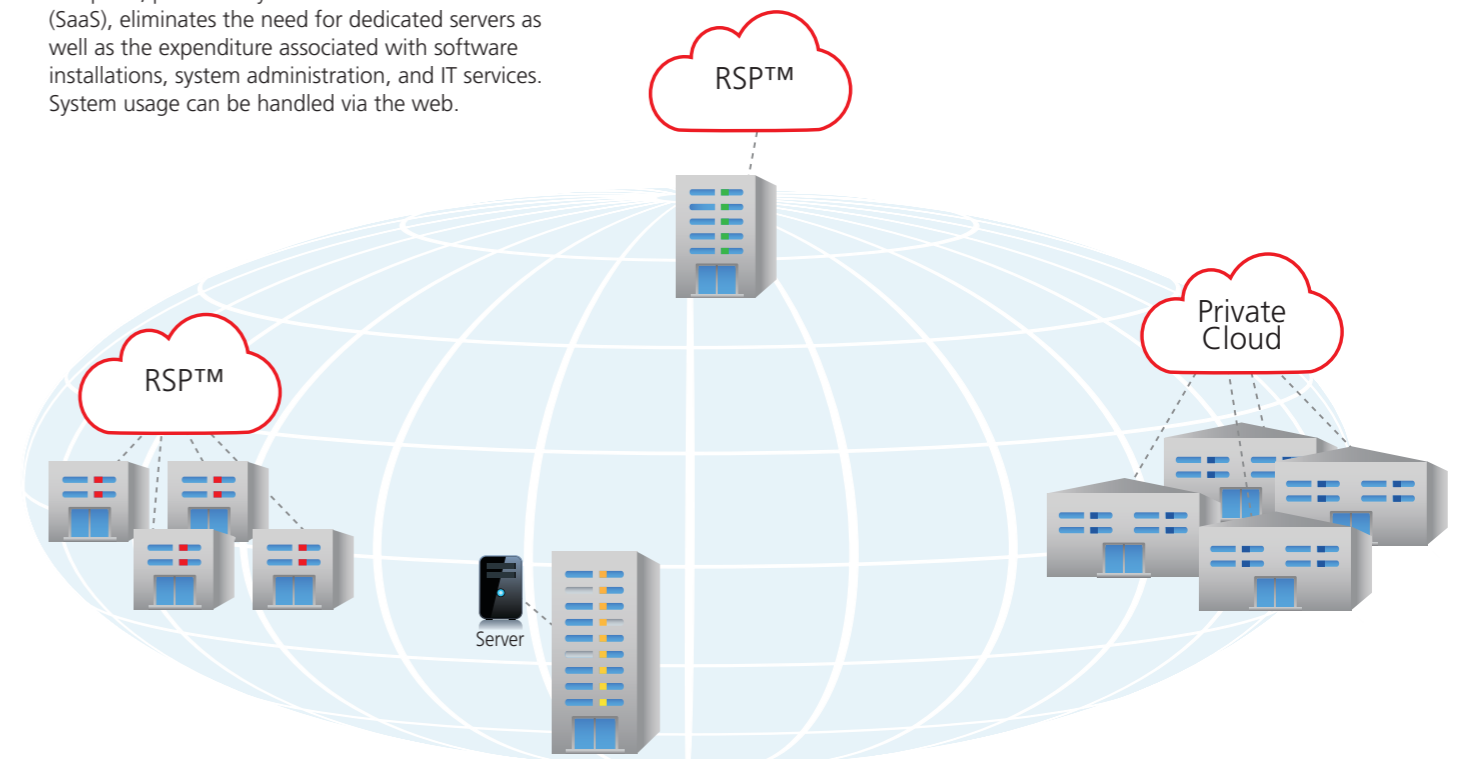
The onsite deployment is simplified due to the centralized system powered via the web by RSP™ platform which eliminates the need for onsite servers and onsite security personnel. Utilizing this cloud-based approach also reduces future expenditure associated with software installations at new locations, system administration and IT services while providing the highest levels of security.

### Customizable and Scalable

axesplus® is an ideal solution for an extensive range of organizations and companies, including universities, government agencies, banks and factories which can be controlled using a single user interface. The centrally managed smart and intuitive system controls access rights for card holders who can use the same card for entrance to both single and multiple sites regardless of number of doors or site location. Access rights can be easily administered by a localized security officer. Whatever your specific requirements, axesplus® offers totally customizable solutions which are also scalable so that as your organization evolves, the system can be easily updated with additional doors/ employees with just the click of a mouse.

### Deployment based on RSP™

axesplus®, powered by the RSP™ Software-as-a-Service (SaaS), eliminates the need for dedicated servers as well as the expenditure associated with software installations, system administration, and IT services. System usage can be handled via the web.



### Multi-site Deployment based on RSP™

axesplus® eliminates the need for dedicated servers on each site, due to the central management of the RSP™, resulting in significant savings associated with software installation, system administration, and IT services. The system is easily administered via the web.

### Onsite Deployment

axesplus® onsite deployment is a scalable access control solution that allows establishments to maintain their own standalone server. It can support both single and multiple sites.

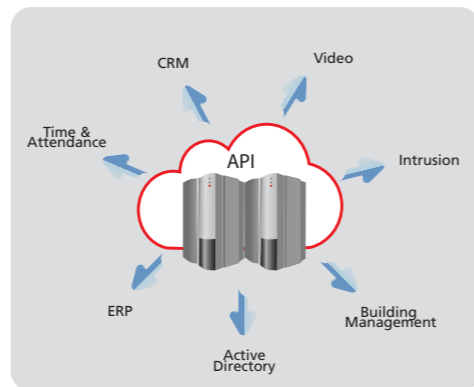
### Multi-site Deployment based on Private Cloud

axesplus® was designed as a cloud based application, therefore enterprises can establish their own cloud based platform to support their doors in their multi-site companies.



### Distributed Architecture

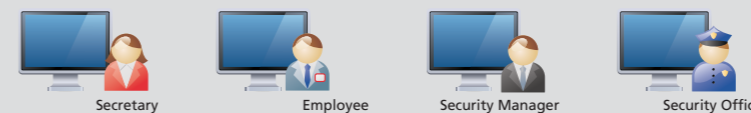
The axesplus® robust and flexible distributed architecture greatly reduces the amount of internet bandwidth usage. The system's resilience allows it to handle any internet connectivity failure. As data is stored locally as well as on the server, axesplus® keeps functioning even if communication with the server is lost, thus eliminating any single point of failure. The axesplus® unique design supports different site architectures and multi-site requirements.



### Dedicated Applications per User

- Global Security Manager**
  - Implements access management policy
  - Defines Branch Security Officer authorities
  - Sets visitor rights
  - Supervises alarm handling
  - Generates event reports
- Secretary**
  - Schedules visits according to requests
  - Accepts visitors and issues access cards
  - Manages employee and contractor access cards
  - Issues temporary cards
- Branch Security Officer**
  - Monitors card holder activities
  - Reacts to events and escalates as necessary
  - Handles alarms according to crisis level
- Employee**
  - Initiates visit requests via a web application
  - Triggers automations e.g. opening gates, turning lights on etc.

### Software Applications



### Built-in Multi-Site Management and Scalability

The axesplus® can support an unlimited number of sites and all sites can be controlled from any location by a single user interface. The system enables access to multiple sites with just one access card regardless of the site size or the number of sites. Furthermore, axesplus® is scalable so adding new doors or new sites can be done with a click of a mouse.

### Intuitive Access Rules

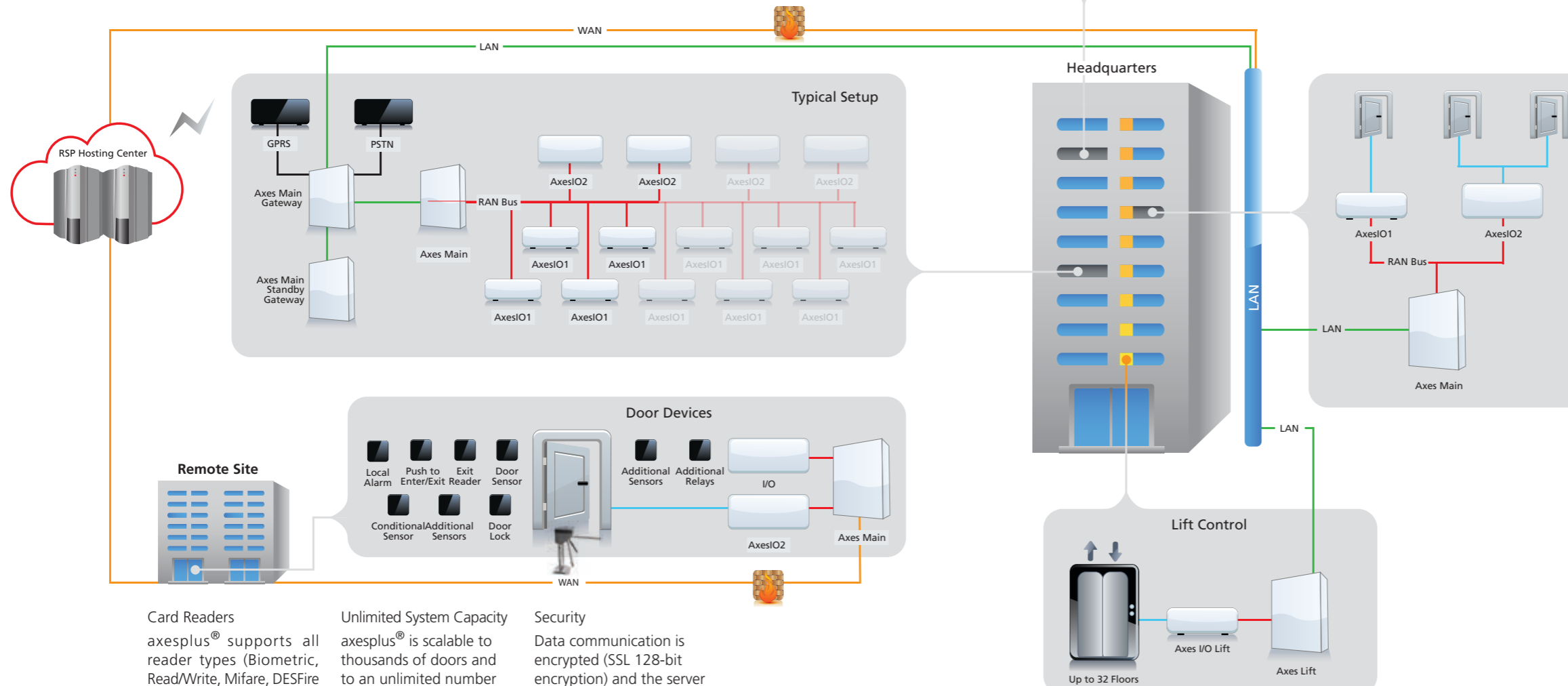
axesplus® definition of access rules is highly intuitive. In essence, rules describe who (any person or group) can go where (any managed area) and when (any time defined in the schedule) in simple language. For example: "R&D Dept. personnel" can access "Building 2" during "Office Hours". axesplus® advanced management tools allow the creation of rules based on physical structures (i.e. doors, zones, buildings, floors, rooms) or based on organizational structure (i.e. departments or public areas). Each branch can be managed separately or according to the global organizational policy.

### Deployment and Setup

Another major benefit of axesplus® is its ease of use. All system elements are pre-configured with default settings and a smart wizard tool will guide you through the definition and configuration process.

### Event & Crisis Management

axesplus® intuitive graphical maps make it easy to monitor and identify security events. Event and alarm notification can be handled either by email or SMS in real time. The system enables crisis level management with support for DEFCON, M15, JTAC, ISPS and Vigipirate. The crisis level of any site/location/zone/door can be changed instantly and access rights automatically modified.



- Card Readers**  
axesplus® supports all reader types (Biometric, Read/Write, Mifare, DESFire EV1, and more)
- Unlimited System Capacity**  
axesplus® is scalable to thousands of doors and to an unlimited number of users.
- Security**  
Data communication is encrypted (SSL 128-bit encryption) and the server access security is further enhanced by the use of "One Time Password" (OTP) for each session.





## AxesMain

AxesMain is the main CPU board /gateway controller designed to manage the access control system. Access authorizations and rules are uploaded to the AxesMain resulting in autonomous functionality even when there is no connectivity to the axesplus® servers. To address different site architectures and ensure a flexible deployment, AxesMain can support Doors I/O boards (up to 4 AxesIO2 and 10 AxesIO1) and Lifts I/O boards (up to 32 floors). In addition, the AxesMain can be used as a gateway bridging between the axesplus® servers and the AxesMain controllers. AxesMain can also be used as a Backup gateway (Standby) unit to ensure system resilience and eliminate any single point of failure. The AxesMain can contain up to 65,000 cardholders details up to 40 different access rules and more than 10,000 events.

- No single point of failure - in case of a network failure the controllers remain operational and continue to save the events internally
- Encrypted data communications (TLS and AES 128 bits)
- Compatible with axesplus stand alone or RSP platforms

RMACXMAIN Axesmain kit, Main+P.S+PMC+MBox



## axesplus® Kits

The axesplus® door kit provides all of the required components for an access control solution for two doors or four doors. With available enclosure options to choose from, you can select the components best suited for the installation. The access controller kit allows the management of two or four doors through an Ethernet connection. It consists of the AxesMain (a main controller board), a power supply with its management card, and AxesIO2 (an I/O board which supports two doors). It is easy to add an additional I/O board within the enclosure in order to manage four doors. The optional axes GSM module can supplement the ethernet connection with a GPRS connection as a primary/secondary communication interface to the axesplus® servers.

RMACXK 2D Virtual Kit,Main+IO2+P.S+PMC+LBox



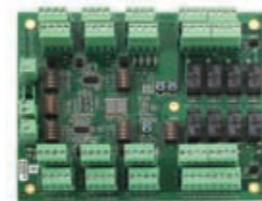
## AxesIO2

AxesIO2 is part of the axesplus® line of hardware components. This innovative small size, two door I/O element enables full functionality of the door devices. Alternatively, it can be used as an expansion I/O element for building automation. AxesIO2 allows maximum flexibility while designing and deploying access control projects. AxesIO2 is an axesplus® IO Board that can control 2 doors (2 readers, 4 analog inputs and 4 relays per door) or 8 floor input/ output board for lift controller.

AxesIO2 is managed by the AxesMain which can support up to 4 AxesIO2 units through RAN BUS communication, thus ensuring easy, fast and reliable deployment.

- Manages 2 doors with 4 relays, 4 inputs and 2 door readers
- Supports:
  - Aperio devices
  - All Readers types (Sagem biometric and others, Read/ Write, Mifare, DESFire EV1 and more).
- Encrypted data communications (TLS and AES 256 bits)

ACXDOORS AxesIO2,2Doors IO



## AxesIO1

AxesIO1 is part of the axesplus® line of hardware components. This innovative small size, one door I/O element enables full functionality of the door devices. Alternatively, it can be used as an expansion I/O element for building automation. AxesIO1 allows maximum flexibility while designing and deploying access control projects.

AxesIO1 is managed by the AxesMain which can support up to 10 AxesIO1 units through RAN BUS communication, thus ensuring easy, fast and reliable deployment. Additionally, AxesIO1 supports ASSA ABLOY's Hi-O™ and Aperio™.

- Manages a single door with 2 relays, 4 inputs and 1 door reader
- Supports:
  - Hi-O™ compatible devices (readers, door locks, push buttons etc)
  - Aperio devices
  - All Readers types (Sagem biometric and others, Read/ Write, Mifare, DESFire EV1 and more)
- Encrypted data communications (TLS and AES 256 bits)
- Can be ordered with a DIN rail adapter for easy installation

ACXIO1 AxesIO1,1Door IO+HiO



## Access Control Reader

The RISCO Access Control Reader employs advanced RFID technology and is compatible with 13.56 MHz RFID read-only tags, read/write tags and smart encrypted data tags. The reader can be installed in both indoor and outdoor environments with a rugged polycarbonate enclosure and molten epoxy for vandal resistance as well as a design that is compatible for all installation environments.

The reader has two different modes of use: As a Wiegand reader, reading the CSN of Mifare and Desfire/ Desfire EV1 cards and sending the information to the access control controller using 37 bit HID10302/ STID 3F protocols and for use with RISCO's axesplus® access control system as a read/write reader

- 13.56MHz RFID
- RS232 and Wiegand protocols
- Compact size, classic stylish covers available in black
- Features a beeper and one LED displaying green, orange or red
- Reads CSN (Chip Serial Number) and generates Wiegand 37 bits (HID 10302 and STID 3F)

AC500R RISCO Reader



## iREX

iREX and iREX Plus are intelligent PIR detectors specifically designed for a wide variety of request-to-exit applications. Both iREX and iREX Plus with IQ Logic™ for added security meet the most stringent request-to-exit requirements. iREX detectors have ample wiring space and are quick and easy to install. Advanced technology and attention to quality guarantee excellent performance.

- Digital PIR motion detection
- Wall or ceiling mount up to 4.6m (15')
- Remote input for Parallel Door Control - the door lock opens either upon iREX motion detection OR from an external device
- Single or double door use: Two "Form C" Relays, selectable NC or NO
- Additional Security Features on iREX Plus

RK700PROW iREX Request-to-Exit Detector  
RK700RPW iREX Plus Request-to-Exit Detector



# Security Systems



RISCO Group designs, develops and markets a comprehensive range of high performance security solutions including wired, wireless and hybrid systems that are suited for every type of installation from commercial to residential.

RISCO Group is a technological innovator; utilizing unique, patented intrusion protection technologies to ensure the highest levels of security with minimal false alarms.

RISCO Group is dedicated to providing its customers with state of the art security solutions that are innovative, cost-effective and popular among installers and end-users for their ease of installation and simplicity of use.



## Visual Verification

RISCO Group's visual verification capability employs fully wireless PIR camera detectors which are activated in the event of an alarm to capture a sequence of real-time photographic images allowing immediate visual verification of the event.

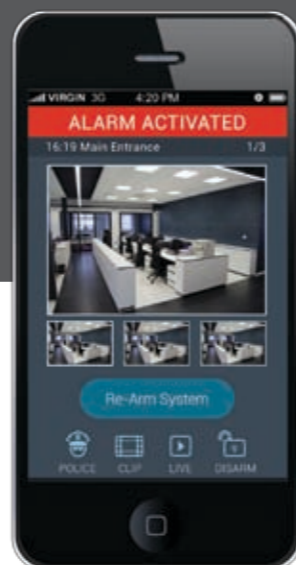


Images from the PIR Cam are transmitted to the RISCO Cloud server via the system's panel communication channels, saving the images as well as the history of events which can be used as testimony for insurance purposes. The end-user receives the images via RISCO's Smartphone app, iRISCO or web application enabling them to confirm if there is a crime in progress or a false alarm. Images are also sent from the RISCO Cloud server directly to monitoring stations.

Visual verification is available with the following RISCO intrusion systems: Agility™ 3, LightSYS™ 2 and ProSYS™ Plus

## IP Camera Video Verification-NEW!

IP Camera Video Verification is a new cloud-based service that is offered exclusively to RISCO Group customers. The technology provides video verification with IP cameras, enabling both a sequence of snapshots for quick verification and live video streaming both upon event and on demand.



In the case of an intrusion event, a message is sent to the cloud where the video verification engine identifies a trigger and activates the IP camera. The camera sends pre and post alarm images to the cloud, which are then forwarded to the user via the smartphone app/ web application or to the monitoring station. The user is able to review the images, view a pre and post alarm clip of the event or initiate live video streaming from the IP Camera.

IP Camera Video Verification can be used for verifying intrusion events in addition to providing an easy and convenient way to monitor events in the home or office.

IP Camera Video Verification provides a cost effective video verification solution which is easy to install and integrate and is available for the following RISCO intrusion systems: Agility™ 3, LightSYS™ 2 and ProSYS™ Plus.

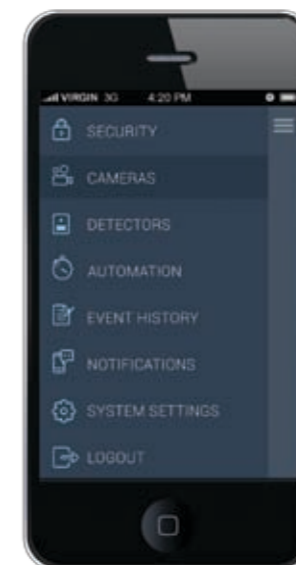
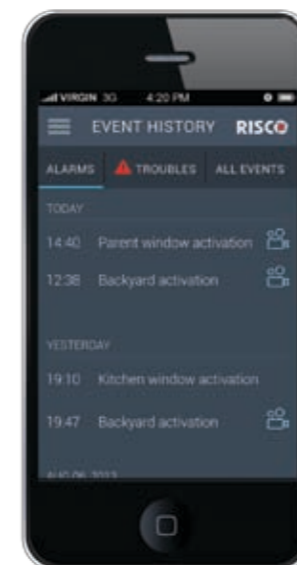
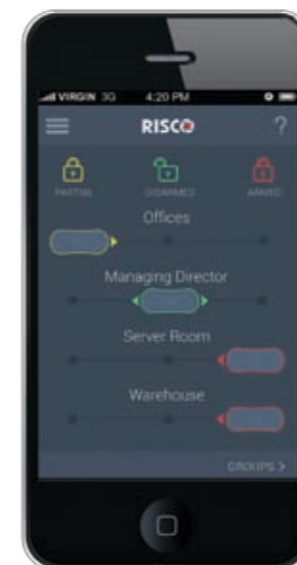
## Smartphone App- iRISCO

RISCO Group's smartphone app, iRISCO, gives end-users and monitoring stations an added value and convenience that is unrivaled by competitors' systems.



### iRISCO

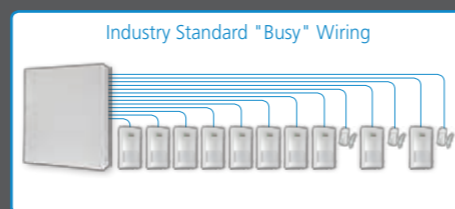
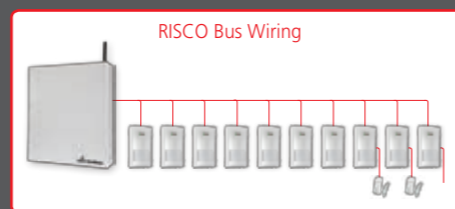
The app enables users to control their alarm systems remotely through its communication with the RISCO Cloud with just the touch of a button. Capabilities include arming and disarming the system, receiving push notifications in the event of an intrusion event and video verification; displaying real-time images or streaming video (with the installation of IP cameras) from the premises. The iRISCO app is available for both iPhone, iPad and Android handheld devices as well as via a web-based PC application. Supported by the following RISCO intrusion systems: Agility™ 3, LightSYS™ 2, ProSYS™ Plus.





## RISCO Bus

The RISCO Bus is a simplified Bus wiring architecture that uses a single 4-core alarm cable to wire an entire alarm system. The Bus solution which wires the detectors in a line rather than in a star pattern, is well suited to long corridors, and is therefore compatible with the commercial sector. RISCO Bus installations dramatically reduce total cable lengths, labor costs, physical zone expanders and on-site maintenance.



The RISCO Bus technology also enables system testing and diagnostic capabilities both locally and remotely through a choice of GPRS, IP and PSTN communication.

The RISCO Bus solution is compatible with the ProSYS™ and LightSYS™ systems and a variety of RISCO Group's detectors including WatchOUT™, BWare™, iWISE®, Industrial Lunar™, Seismic and more.

## 2-Way Wireless Solutions



RISCO Group's wireless intrusion systems and accessories are available in 2-way versions which provide a more dependable security solution for users and installers in addition to greater convenience.

- In 2-way systems, messages are sent once and acknowledged for their higher communication security
- 2-way systems enable remote control and diagnostics, and therefore reduce the number of onsite maintenance visits
- Accessories can be fully configured and diagnosed remotely by keypad or remote software
- Accessories can receive system status (via keypad or remote control keyfob) improving end user usability and experience
- RF traffic and wireless congestion are reduced due to the elimination of repetitive signaling, and therefore deliver a more dependable communication

## ProSYS™ Plus

ProSYS™ Plus, is a Grade 3 integrated security system that supports a large number of zones and partitions and is designed for use by system integrators and professional installers for large commercial and high-end residential projects.



ProSYS™ Plus is a hybrid and cloud-based intrusion system that is employed within the Security Management Solutions that RISCO Group has formulated for large companies including those of multi-site and remote site infrastructures. The system can be implemented together with the SynopSYS Integrated Security & Building Management™ platform, access control systems, IP Cameras/CCTV and other external security equipment.

ProSYS™ Plus is based on the successful ProSYS™ and LightSYS™ systems which have been successfully installed in thousands of organizations including banks, commercial and public buildings, in addition to high end residences.

- One system that suits any application up to 512 zones
- Video verification with IP Cameras integrated via RISCO Cloud
- Fully wireless visual verification with PIR cameras
- Integrated professional access control capabilities
- Wired, 2-way wireless or RISCO Bus detectors in any combination
- SmartPad tablet keypads for unique installer experience add elegance to any installation
- Choice of stylish and affordable touchscreen keypads
- Ideal for multi-site projects with SynopSYS Integrated Security & Building Management™ platform



### RISCO Bus

RISCO Bus detectors and sounders save time and money on cabling, zone expanders, installation and maintenance.

- Outdoor, barrier beams, industrial, high-ceiling, seismic and commercial detectors
- BWare™ and iWISE® Bus detectors include an extra zone input, for addition of a door/window contact saving wiring back to the panel
- Single zone expander fits into any relay detector for installation on RISCO Bus

### RISCO Bus



### Keypads and Tablets

- Full color SmartPad tablet keypads for ultimate user and installer experience
- Low profile Touchscreen keypads with proximity in black or white
- Interactive voice module with full menu guide, remote messages and operation, listen-in and speak-in to the premises

### Keypads, Proximity Keys & Audio



### 2-Way Wireless

- ProSYS™ Plus offers a comprehensive range of 1 & 2-way wireless accessories and detectors
- Outdoor, indoor, PIR cameras, pet friendly, shock, glassbreak, door/window contacts, barrier beams
  - Smoke, flood, gas, CO, slim keypads and keyfobs

### Wireless Expansion



### Video Verification

Video Verification of alarms allows monitoring stations to identify false alarms, providing extra value to monitoring stations, installers and end-users

- IP Cameras for streaming video integrated via RISCO Cloud
- Fully wireless PIR Cameras
- Immediate and reliable visual verification of intruder alarms
- Offers end-users live video upon demand
- Analyze pre and post-alarm video clips of intruder events
- Control and view with smartphone app, web browser or tablet keypad

### Wired Detectors



### Access Control

ProSYS™ Plus offers an integrated and unique access control solution. For larger installations axesplus® cloud based access control systems together with SynopSYS Integrated Security and Building Management™ is the ideal solution.

### Access Control



### Wired Expanders

A large variety of wired expansion modules, including Voice Module, Zone Expanders, Output Expanders, Supervised Power Supplies.

### Video Verification

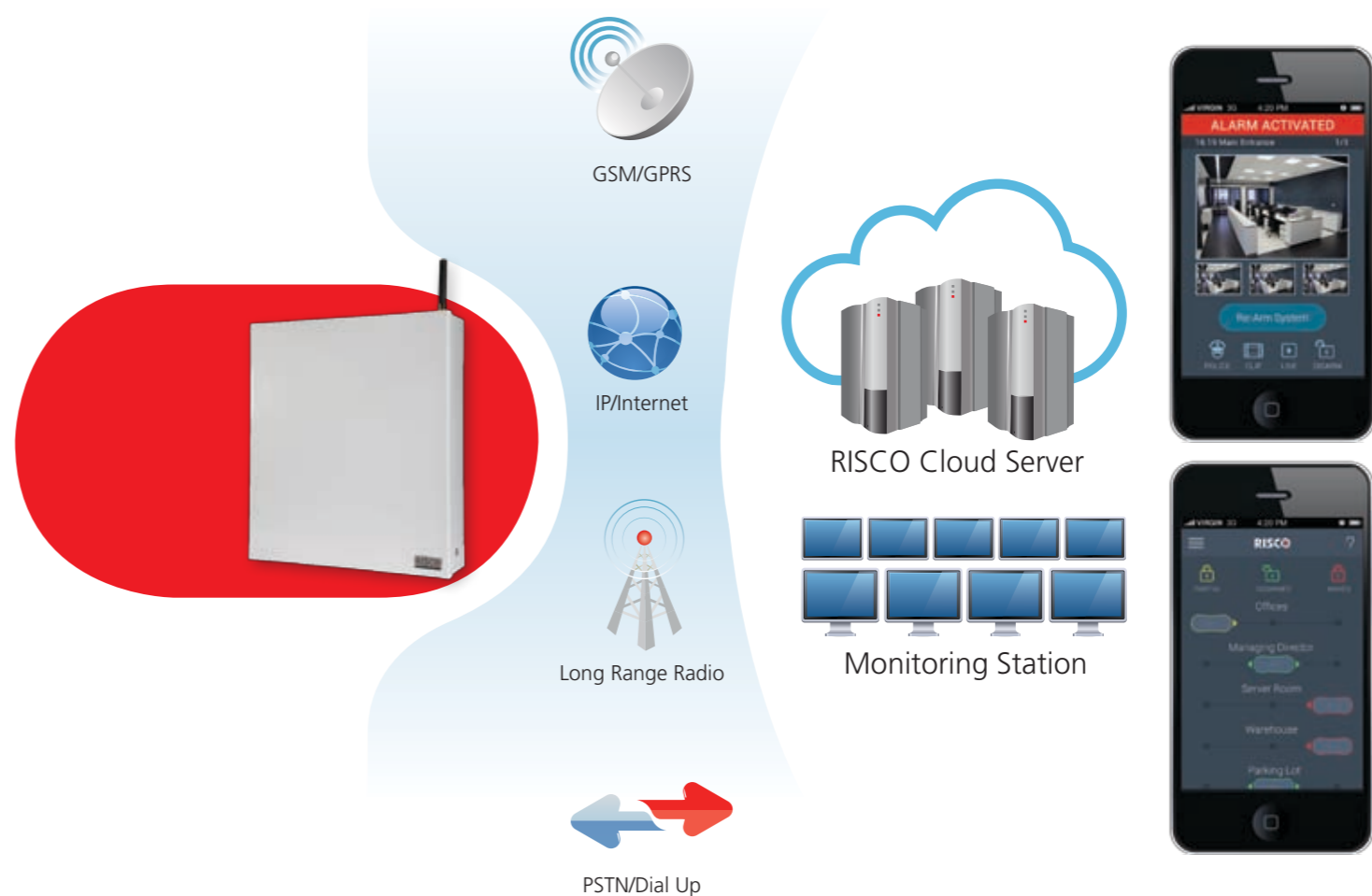


### IP Receiver

- A monitoring stations software package that operates in conjunction with the IP or GSM/GPRS module
- The software receives the encrypted protocol from the ProSYS™ Plus and translates the events into standard protocols used by central station applications.

### Smartphone App & RISCO Cloud

Powered by RISCO Cloud, business owners and security officers can now enjoy the iRISCO smartphone app for smart and easy control of their ProSYS™ Plus system. The revolutionary app allows users to arm/disarm per partition, receive immediate notification of alarm events, video verification of events, streaming video on demand, view history log and much more.



### Communication

- ProSYS™ Plus offers a multitude of communication options for reliable event reporting, audio communication, RISCO Cloud and smartphone app control, configuration software functionality and more.
- All communication modules can be installed in the main housing
- IP modules
  - GSM/GPRS module
  - KP Long Range Radio modules
  - PSTN module

### SynopSYS Integrated Security & Building Management™

ProSYS™ Plus is designed to meet large project requirements. Together with RISCO Group's SynopSYS Integrated Security & Building Management™ platform, security officers can secure and control multiples sites from a single graphical user interface.

### Configuration Software

The Configuration Software is an advanced PC application that allows installation companies to configure and manage the database of their installed RISCO Group systems, perform automated batch operations on selected groups of panels and more. Communication is available locally using a standard USB cable, or remotely via GPRS, IP or PSTN. Communication via RISCO Cloud allows seamless GPRS and IP session initiation.



## ProSYS™ Plus

### Main

RP512M	ProSYS Plus Main Board
RP512BM	ProSYS Plus Metal Housing
RP512IN	ProSYS Plus Guide Pack

### Communication & Audio

RP432GSM	Plug-in GSM/GPRS Module
RW132IP	Plug-in IP Module
RP432IPF	Plug-in IP Module & Fast Bus Adaptor for PIR Cam support
RP432MD	Plug-in Modem
RP432EV	Digital Voice Module
RW132EVL	Listen-in & Speak Module
RCGSMANT	External GSM Antenna with 3m cable

### Keypads, Wired

RPSK	SmartPad Tablet Keypad
RPSKP	SmartPad with Prox
RPKEL01	Elegant Keypad, Black
RPKELP1	Elegant Keypad with Prox, Black
RPKEL02	Elegant Keypad, White
RPKELP2	Elegant Keypad with Prox, White
RP432KP	LightSYS LCD Keypad
RP432KPP	LightSYS LCD Keypad with Prox
RP128KP01	TouchScreen Keypad, Black
RP128KPP1	TouchScreen Keypad with Prox, Black
RP128KP02	TouchScreen Keypad, White
RP128KPP2	TouchScreen Keypad with Prox, White
RP128PKR3	Proximity Key Reader
RP200KT	Proximity Keytags 13.56MHz (10 units)
RP128KPP1	TouchScreen Keypad with Prox, Black
RP128KP02	TouchScreen Keypad, White
RP128KPP2	TouchScreen Keypad with Prox, White
RP128PKR3	Proximity Key Reader
RP200KT	Proximity Keytags 13.56MHz (10 units)

### Keypads, 2-Way Wireless

RW132KL1P	2-Way WL Outdoor Slim Keypad with Prox, Black
RW132KL2P	2-Way WL Indoor Slim Keypad with Prox, White

### Wireless Expanders

RP432EW	2-way Wireless Expander
RP432WV	Wireless Visual Verification Expander for PIR Cam support

### Wired Expanders

RP128EZB	Bus zone expander
RP128EZ01	Single zone expander. Miniature size for insertion in relay detectors and connection to RISCO Bus.
RP432EZ8	8 zone expander
RP512EZ16	16 zone expander
RP296E04	4 * 3A relay output expander
RP296E08	8 * 100mA output expander
RP128B5	Plastic Accessory Box

### Supervised Power Supply Expansion Modules

RP296EPS	1.5A supervised power supply, PCB only
RP296EPSP	1.5A supervised PS in metal box
RP128EPSP	1.5A supervised PS in large metal box
RP128EPS	3A switching power supply, PCB only
RP128PSPS	3A PS in metal box



## LightSYS™ 2

### LightSYS™ 2

LightSYS™ 2 is the new generation of the successful LightSYS™ series, designed for small commercial and residential markets and renowned for its wide range of installation and communication options. LightSYS™ 2 is the only hybrid security system that offers video verification and smartphone app control as well as your choice of wired, 2-way wireless or RISCO Bus detectors.



LightSYS™ 2 can be controlled and monitored using RISCO's smartphone app, iRISCO, which transforms it into a state-of-the-art tool for home and small business owners.

LightSYS™ 2 supports wired, two-way wireless and RISCO Bus detectors in any combination; RISCO Bus installation saves time and money, as detectors are installed in series on the system and can be remotely configured and diagnosed.

Communication flexibility includes IP, GSM/ GPRS, PSTN, STU adaptor and Long Range Radio which can all be installed within the main housing, and gives the installer the flexibility to choose the best communication channel for the job.

- Video verification with IP Cameras integrated via RISCO Cloud
- Fully wireless visual verification with PIR cameras
- Wired, 2-way wireless or RISCO Bus detectors in any combination
- SmartPad tablet keypads for unique installer experience add elegance to any installation
- Choice of stylish and affordable touchscreen keypads
- Flexible communication from within the main housing: Plug-in, GSM/GPRS and IP modules, onboard PSTN and optional long range radio programmable from LightSYS™
- Selectable EOL zone resistance and remote zone resistance measurement
- Ideal for multi-site projects with the SynopSYS Integrated & Building Management™ platform



### RISCO Bus

RISCO Bus detectors and sounders save time and money on cabling, zone expanders, installation and maintenance.

- Outdoor, barrier beams, industrial, high-ceiling, seismic and commercial detectors
- BWare and iWISE Bus detectors include an extra zone input, for addition of a door/window contact saving wiring back to the panel
- Single zone expander fits into any relay detector for installation on RISCO Bus

### Keypads and Tablets

- Full color SmartPad tablet keypads for ultimate user and installer experience
- Low profile Touchscreen keypads with proximity in black or white
- Interactive voice module with full menu guide, remote messages and operation, listen-in and speak-in to the premises

### 2-Way Wireless

LightSYS™ 2 offers a comprehensive range of 1 & 2-way wireless accessories and detectors

- Outdoor, indoor, PIR cameras, pet friendly, shock, glassbreak, door/window contacts, barrier beams
- Smoke, flood, gas, CO, slim keypads and keyfobs

### Video Verification

Video Verification of alarms allows monitoring stations to identify false alarms, providing extra value to monitoring stations, installers and end-users

- IP Cameras for streaming video integrated via RISCO Cloud
- Fully wireless PIR Cameras
- Immediate and reliable visual verification of intruder alarms
- Offers end-users live video upon demand
- Analyze pre and post-alarm video clips of intruder events
- Control and view with smartphone app, web browser or tablet keypad

### Wired Expanders

Large variety of wired expansion modules, including Voice Module, Zone Expanders, Output Expanders, Supervised Power Supplies

### RISCO Bus



### Keypads, Proximity Keys & Audio



### Wireless Expansion



### Wired Detectors



### Video Verification



### IP Receiver

- A monitoring stations software package that operates in conjunction with the IP or GSM/GPRS module
- The software receives the encrypted protocol from the LightSYS™ 2 and translates the events into standard protocols used by central station applications.

### Smartphone App & RISCO Cloud

Powered by RISCO Cloud, business owners and security officers can now enjoy the iRISCO smartphone app for smart and easy control of their LightSYS™ 2 system. The revolutionary app allows users to arm/disarm per partition, receive immediate notification of alarm events, video verification of events, streaming video on demand, view history log and much more.



GSM/GPRS



IP/Internet



Long Range Radio



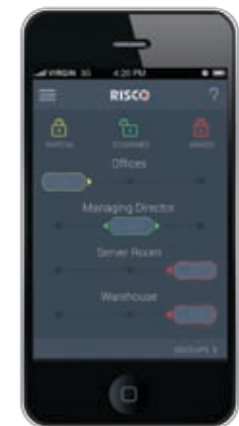
PSTN/Dial Up



RISCO Cloud Server



Monitoring Station



### Communication

LightSYS™ 2 offers a multitude of communication options for reliable event reporting, audio communication, RISCO Cloud and smartphone app control, configuration software functionality and more.

All communication modules can be installed in the main housing

- IP modules
- GSM/GPRS module
- KP Long Range Radio modules
- PSTN module

### SynopSYS Integrated Security & Building Management™

LightSYS™ 2 together with RISCO Group's SynopSYS Integrated Security & Building Management™ platform, security officers can secure and control multiple sites from a single graphical user interface.

### Configuration Software

The Configuration Software is an advanced PC application that allows installation companies to configure and manage the database of their installed RISCO Group systems, perform automated batch operations on selected groups of panels and more. Communication is available locally using a standard USB cable, or remotely via GPRS, IP or PSTN. Communication via RISCO Cloud allows seamless GPRS and IP session initiation.



## LightSYS™ 2

### Main & Kits

RP432M	LightSYS 2 Main Board
RP432B	LightSYS Polycarbonate Housing
RP432TMP	Wall Tamper for LightSYS Polycarbonate Housing
RP432IN	LightSYS 2 Guide Pack
RP432PS	LightSYS 1.5A Power Supply with wall plug
RP432PS15	LightSYS 1.5A Power Supply, without wall plug
RP432BM	LightSYS Large Metal Housing with wall tamper
RP432PS1	LightSYS 4A Power Supply for metal housing

### Communication & Audio

RP432GSM	Plug-in GSM/GPRS Module
RW132IP	Plug-in IP Module
RP432IPF	Plug-in IP Module & Fast Bus Adaptor for PIR Cam support
RP432MD	Plug-in Modem
RP432EV	Digital Voice Module
RW132EVL	Listen-in & Speak Module
RCGSMANT	External GSM Antenna with 3m cable

### Keypads, Wired

RPSK	SmartPad Tablet Keypad
RPSKP	SmartPad with Prox
RPKEL01	Elegant Keypad, Black
RPKELP1	Elegant Keypad with Prox, Black
RPKEL02	Elegant Keypad, White
RPKELP2	Elegant Keypad with Prox, White
RP432KP	LightSYS LCD Keypad
RP432KPP	LightSYS LCD Keypad with Prox
RP128KP01	TouchScreen Keypad, Black
RP128KPP1	TouchScreen Keypad with Prox, Black
RP128KP02	TouchScreen Keypad, White
RP128KPP2	TouchScreen Keypad with Prox, White
RP128PKR3	Proximity Key Reader
RP200KT	Proximity Keytags 13.56MHz (10 units)

### Keypads, 2-Way Wireless

RW132KL1P	2-Way WL Outdoor Slim Keypad with Prox, Black
RW132KL2P	2-Way WL Indoor Slim Keypad with Prox, White

### Wireless Expanders

RP432EW	2-way Wireless Expander
RP432WVv	Wireless Visual Verification Expander for PIR Cam support

### Wired Expanders

RP128EZB	Bus zone expander
RP128EZ01	Single zone expander. Miniature size for insertion in relay detectors and connection to RISCO Bus.
RP432EZ8	8 zone expander
RP296E04	4 * 3A relay output expander
RP296E08	8 * 100mA output expander
RP128B5	Plastic Accessory Box

### Supervised Power Supply Expansion Modules

RP296EPS	1.5A supervised power supply, PCB only
RP296EPSP	1.5A supervised PS in metal box
RP128EPSP	1.5A supervised PS in large metal box
RP128EPS	3A switching power supply, PCB only
RP128PSPS	3A PS in metal box

### Installer Accessories Expansion Modules

RP128EE	Program Transfer Module
RW132EUSB	Adaptor from panel to PC USB



## Agility™ 3

### Agility™ 3

Agility™ 3 is a state-of-the-art 2-way wireless alarm system designed for the residential and small business markets that provides more than a standard home security system.



Agility™ 3 supports visual verification with a self monitoring smartphone app (also available via web browser) which enables homeowners to control their alarm systems remotely as well as view real-time images taken inside their premises using eyeWave™ wireless PIR camera detectors that communicate with the RISCO Cloud server.

In the event of an alarm, the PIR camera is automatically activated and captures a sequence of images which it sends to users via RISCO's smartphone/ web application. This capability enables users to view the images and confirm if there is a crime in progress. Monitoring stations can also benefit from the visual verification feature as the capability to ascertain whether there is a false alarm will save them valuable time and resources.

Agility™ 3 is easy to install, can be managed remotely and gives peace of mind, benefitting installers, monitoring stations and end users.

The Agility™ 3 wireless security system can be enhanced with a wide range of accessories that provide additional protection against theft as well as protection against environmental hazards and providing elderly care.

- 2-way wireless intrusion system
- Self monitoring app gives customers full control
- Full range of wireless accessories available
- End user features:
  - Smartphone apps and web browser for video verification, set/unset, control and monitoring the system
  - Email: event and images notification
  - SMS: event notification and remote control
  - Audio: voice event messaging, touch-tone control with full voice menu guide, two-way audio for listen-in and speak-in





### Video Verification

Video Verification of alarms allows monitoring stations to identify false alarms, providing extra value to monitoring stations, installers and end-users

- IP Cameras for streaming video integrated via RISCO Cloud
- Fully wireless PIR cameras
- Immediate and reliable video verification of intruder alarms
- Offers end-users live video upon demand
- Analyze pre and post-alarm video clips of intruder events
- Control and view with smartphone app, web browser or tablet keypad

### Security

- Complete range of wireless indoor, outdoor and perimeter detectors
- Indoor and outdoor wireless sounders

### Safety & Elderly Care

- Smoke, gas, CO and flood detectors
- Stylish and water-resistant Wristband Panic Transmitter
- Alerts if an elderly parent is immobile in the home over a defined period

### Keypads and Keyfobs

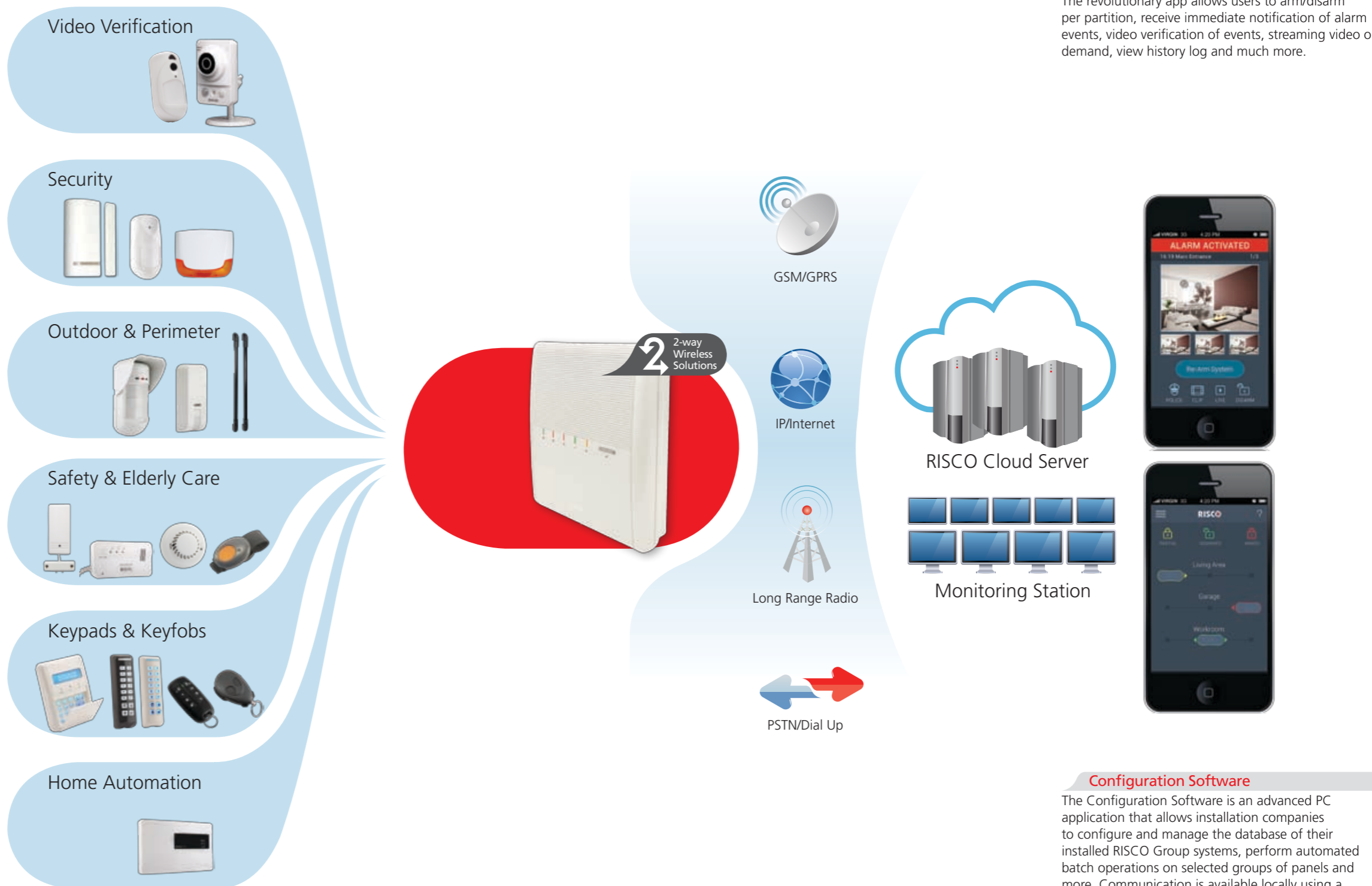
- 2-way Wireless LCD Keypad with integrated proximity reader for arm/disarm and adaptive menu displays only the relevant options according to the installation and set-up
- 2-way Wireless Slim LED Keypad: full system user operation, door chime feature, outdoor version available.
- 2-way Remote Control: Multi color LEDs indication for system status, PIN code for higher security

### Home Automation

- 2-way wireless Input/Output Expander
- 4 wired inputs and 4 outputs

### Main Panel – New Features

- Dual Core Wireless provides two simultaneous 2-way wireless channels with separate antennas - one for alarm, control and diagnostic signals, a second for video image transmission
- SIA-IP support provides a protocol for enhanced communication with monitoring stations
- Digital Voice Module for enhanced voice quality
- Multi-lingual support for voice and keypad display



### Smartphone App & RISCO Cloud

Powered by RISCO Cloud, business owners and security officers can now enjoy the iRISCO smartphone app for smart and easy control of their Agility™ 3 system. The revolutionary app allows users to arm/disarm per partition, receive immediate notification of alarm events, video verification of events, streaming video on demand, view history log and much more.

### Configuration Software

The Configuration Software is an advanced PC application that allows installation companies to configure and manage the database of their installed RISCO Group systems, perform automated batch operations on selected groups of panels and more. Communication is available locally using a standard USB cable, or remotely via GPRS, IP or PSTN. Communication via RISCO Cloud allows seamless GPRS and IP session initiation.



# Agility™ 3



# Wireless Accessories/Security

## Main Unit

RW132V	Agility™ 3 main unit
RW132P	Agility™ 3 Kit

## Keypads

RW132KPP	Agility3 WL 2-Way Keypad
RW132KL1P	External Silm Keypad, Black
RW132KL2P	Internal Silm Keypad, White
RP200KT	10 Prox Tags, Black 13.56MHz

## Keyfobs

RW132KF1	4 Button Black Keyfob
RP128T4RC / RP296T4RC	4 Button Black Keyfob
RW132KF2	2-Way WL Remote Control
RWT51P8	Wristband Panic Transmitter
RWT52P	2 Button Panic Keyfob
RWT50P	WR Pendant Xmitter

## Wireless Sirens

RWS42	WL Indoor Sounder , Round
RWS50	External W. Siren, Amber
RWS52	Oval Ext. WL Sounder, Amber
RWS53	Wireless Outdoor Sounder, Rectangular
RWS20	Wireless ProSound
RWS401	Wireless Lumin8 Amber

## Communication

RW132MD24	Agility PSTN Module
RW132GSM	Plug-in GSM Module
RW132IP	IP Module

## Safety

RWX34S	Smoke & Heat Detector 1 & 2 Way
RWT33	W'less Smoke Detector
RWT6F	WL Flood Detector
RWT6CO	WL CO Detector
RWT6GS	WL Gas Detector

## Perimeter

RWX312PR	2-Way WL WatchOUT PIR,
RWT312PR	WL WatchOUT PIR
RWT6S	WL Shock Detector
RWT62	WL Shock Detector
RWX74B405	2Way WL Barrier Beam0.5m
RWX74B810	2Way WL Barrier Beam 1m
RWX74KB	2-Way WL Beam Basic Kit
RWT74B405	IR Beam 0.5m, 4 beams
RWT74B810	IR Beam 1m, 8 beams
RWT74KB	WL Beam Basic Kit
RWX106	1 & 2-Way WL Curtain PIR

## PIR Camera

RWX95CM8,RWX95CM4,	PIR Camera
RWX95CM8P,RWX95CM4P	PIR PET Camera

## PIR Detectors

RWT95	WL iWAVE PIR
RWT95P	WL iWAVE Pet
RWX95	2-Way WL iWAVE PIR
RWX95P	2-Way WL iWAVE Pet
RWT92	iWISE WL PIR Detector
RWT92P	iWISE WL PIR PET Detector

## Magnetic Contacts

RWT72M	WL Door/Window Contact
RWT72C	WL Universal Transmitter
RWT72P	WL Pulse Count Transmitter
RWT72X	WL Dual Channel Transmitter
RWT72I	WL Door/Window Cont, Hi-Sec
RA71BR	PLASTIC HOUSING T71 Brown
RWX73M	2-Way Door/Window Contacts,
RWX73F	2-Way Multi-Function Contacts

## WL Glassbreak

RWT6G	WL Glassbreak Detector
RWT6S	VITRON Tester
RW132I04	WL I/O & X10 Expander

## Miscellaneous

RW132CB	RS232 PC to Panel Cable
RW132EUSB	Agility to USB Adaptor
RW132PTM	Program Transform Module
RW132EVL	Agility Voice Listening
RW132DC	Agility Democase

## eyeWAVE™

The eyeWAVE™ Wireless PIR Camera Detector is a battery powered PIR detector that includes an integrated camera for visual verification and is compatible with the Agility™ 3 LightSYS™ 2 or ProSYS™ Plus security systems.



Upon an intrusion event, or by homeowner demand, the camera captures and transmits a sequence of images to the Agility™ 3 control panel that is then transmitted via GPRS or IP communication to a remote server or to the central monitoring station software.

The images are sent to the homeowner who can view them on a smartphone using the iRISCO App and/or via the web. The visual verification feature enables self-monitoring and also reduces the number of false alarms, increasing peace of mind for the homeowner and saving time and resources for the central monitoring station. All images are stored on the RISCO Cloud server for future analysis if required.

- PIR coverage 12m (40') wide angle
- Pet friendly model up to 36kg (80lb) pet
- VGA or QVGA camera resolution with ~85° field-of-view
- Discreet IR flash allows imaging in complete darkness, up to 10m (33')
- Sequence of images upon event, configurable number and fps
- During disarm, events are ignored to save battery and for privacy
- On-demand images initiated from authorized smartphone or web browser
- Two RF channels with separate antennas: one for control, second channel for image transmission
- Images stored on detector until transmission to panel complete
- Includes 2 long-life 3V lithium batteries

RWX95CM	eyeWave™ Wireless PIR Camera
RWX95CMPT	eyeWave™ Wireless PIR Pet Camera



## Wireless WatchOUT™ PIR Detector

The Wireless WatchOUT™ has been redesigned to provide better than ever false alarm immunity using two PIR channels with two 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.

- Reliable PIR detection for outdoor areas
- Two detection areas for superior stability
- Adjustable wide angle coverage up to 12m
- Optional 23m long-range lens
- Pet friendly up to 45 Kg
- Protective hood and IP65 environmental rating

RWT312	Wireless WatchOUT™ PIR
RWX312	2-way Wireless WatchOUT™ PIR
RA300S	Standard swivel for PIR & Wireless models
RA300B	Barrier swivel for installation 90° to the mounting surface
RA300P	Pole adapter for professional installation on poles
RL312LR	Long range lens for WatchOUT™ PIR & Wireless



## Wireless Curtain PIR Detector

The Wireless Curtain PIR Detector is designed for indoor use in residential and commercial environments for the protection of doors and windows. The Curtain Detector is easily installed on the wall adjacent to the window and offers protection from intrusion even when the window is left open.

- Selectable coverage 6m or 3m
- Mounting height – 1.8m-3m
- White light from sun and headlights blocked by special mechanism
- Designed for easy battery replacement by end-user
- Includes 90° bracket for installation on left or right of window
- True Temperature Compensation
- Compatible with all RISCO's 1-way and 2-way wireless systems

RWX106	Wireless Curtain PIR Detector
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## Wireless Barrier Beams

RISCO Group's landmark range of wireless active infrared barrier beams are the ultimate solution for outdoor perimeter protection of residential and commercial properties. Powered by breakthrough technologies, high performance and resilience is ensured even in direct sunlight. Installation has never been easier with plug & play auto-setup simple beam alignment.

The wireless barrier beams are compatible with all of RISCO Group's wireless and hybrid security systems.

- Operates in direct sunlight due to unique IR beam technology
- High false alarm immunity from leaves, blowing debris and small animals
- Anti-sabotage by encrypted beam signal and anti-collision prevents crosstalk between units on adjacent windows
- Cover and wall tamper protection
- Simple beam alignment with LED bar indication and buzzer
- Powered by standard 3V CR123A lithium batteries with 3 year typical lifetime
- UV protected polycarbonate IR filter cover and anodized aluminum rail
- Alerts for gradual signal loss due to fog, snow, dust and rain

RWT74B810	Wireless Barrier Beam 1m
RWT74KB	Wireless Beam Basic Kit
RWT74KE	Wireless Beam Extension Kit
RK74KR25	Barrier Beam Rails 2.5m
RK74KC25	Barrier Beam Rail Covers 2.5m
RWT74	Wireless Twin Beams
RKT74S	Barrier Beam optional Swivel Brackets (pack of 4)



## Wireless iWAVE™ Detector

The Wireless iWAVE™ Detector is a stylish wall mounted passive infrared detector, ideal for homes, offices and small commercial installations. Available in both PIR and Pet versions, iWAVE™ is easy to install using a simple bracket to wall installation with a dedicated battery compartment that allows easy battery replacement that can be performed independently by the user.

- Coverage: 15m (50') wide-angle
- Pet friendly model up to 36kg (80lb) with 12m (40') wide-angle coverage
- 2-Way wireless model provides higher security, reduced wireless congestion and remote settings
- Simple bracket installation, wall tamper suitable for corners
- Includes 2 long-life 3V lithium batteries
- Optional 12m (40') curtain and 23m (75') long-range lenses

RWT95	Wireless iWAVE™ PIR
RWT95P	Wireless iWAVE™ Pet
RWX95	2-Way Wireless iWAVE™ PIR
RWX95P	2-Way Wireless iWAVE™ Pet
3RL0003	Curtain lens for iWAVE™ PIR
3RL0006	Long-range lens for iWAVE™ PIR



## Wireless iWISE®

iWISE® is RISCO Group's field proven detector series, and the wireless version is available in PIR and Pet versions with creep zone.

- Coverage: wide-angle 15m (50') wide-angle
- Creep zone for close-in detection
- Intelligent Digital Signal Processing
- Cover and wall corner tampers
- Includes long-life 3V lithium battery
- Optional 12m (40') curtain and 23m (75') long-range lenses
- For Pet friendly model:
  - Coverage: 8m (26') 90°
  - Pet friendly up to 36kg (80lb) with Variable Pet Threshold (VPT™)

RWT92	Wireless iWISE® PIR
RWT92P	Wireless iWISE® Pet
RL115C	Curtain lens for iWISE® PIR
RL17	Long range lens for iWISE® PIR



## Wireless Glassbreak Detector

The Wireless Glassbreak detector offers an additional solution for perimeter protection that detects intruders while they are still outside.

Based on an advanced glass breaking pattern analysis of both low and high frequency channels it detects the breaking of all common glass types and thicknesses while disregarding non framed glass breakage and other sources of false alarms.

Designed for both residential and commercial environments, the Wireless Glassbreak is easy to install using the supplied wall/ceiling swivel for optimal mounting and performance.

The RISCO Glass Breaking Tester can be used to aid installation. It simulates the sound of breaking glass and verifies that the detector has been installed correctly.

- Protects all glass types: plate, tempered, laminated and wired
- High reliability to recognize false alarm if glass pane is broken from inside or glass is dropped on floor
- Dual frequency pattern recognition
- Range up to 9m (30')
- Wall and front cover tamper protection
- Full testing using the RG65 glass break simulator
- Supplied with wall/ceiling swivel for optimal mounting and performance
- Up to 3 years battery life using single long-life 3V lithium battery

RWT6G	Wireless Glassbreak Detector
RG65	Glassbreak Tester





## Wireless Shock and Contact Detector

The Wireless Shock and Contact Detector combines both a shock detector and a door/ window contact detector in a single casing for internal use. The detector employs an advanced digital microprocessor to analyze the vibration signal received from the piezo electric sensor. Also includes a reed switch for protection against opening doors and windows, and against any attempt to tamper the detector using large magnets.

The detector incorporates an advanced shock detector and a door/window contact on two separate wireless zones.

- Digital microprocessor with Intelligent Digital Signal Processing
- Tri-color LED enables accurate and reliable calibration, with over-sensitive and under sensitive indications
- Gross attack detection
- Encapsulated bi-morph piezo electric sensor
- Includes door/window contact on a separate wireless zone
- Wall and cover tamper protection
- Shock with door/ window contact includes two separate channels
- Includes 3V long-life lithium battery

RWT62W	Wireless Shock and Contact Detector
RA62BR	Brown housing for WL shock & contact
RWT65W	Wireless Shock Detector



## 2-Way Wireless Window/Door Contacts

RISCO's 2-way Wireless Window/Door Contacts are a supervised transmitter ideal for wireless perimeter door/window protection in residential and small commercial applications. The transmitter has a built in magnetic contact and additional zone input that can be connected to wired magnetic contacts or to other wired sensors that can be used for various control or security applications. The 2-Way wireless communication provides higher security, reduced wireless congestion, reduced RF communication and remote control & diagnostics, and is easy to install using a simple bracket to wall installation, and easy to program using RISCO's remote configuration software.

Using two separate channels, the multi-function model can serve two separate applications; perimeter protection for doors and windows when connected to a single channel and shutter pulse protection using the second channel.

Each channel can be connected to wired magnetic contacts or to other wired sensors that can be used for various control or security applications. The multi-function model has two reed switches for protection against opening doors and windows, and against any attempt to tamper the detector using large magnets.

- Communication: Bi-directional
- Built in magnetic contact
- Fully supervised
- Range: up to 300m (1,000') (line of sight)
- Selective input termination: NO, NC, DEOL
- Selective input response time adjusted to wired sensors (fast for shock sensors, slow for magnetic switches)
- Tamper protection: Back + Cover
- Battery-life saving: events are only sent once every 2.5 minutes

RWX73M	2-Way Wireless Magnetic / Door
RWX73F	2-Way Wireless Multi-Function Contact



## Wireless Smoke and Heat Detector

RISCO Group's Wireless Smoke and Heat Detector utilizes two advanced technologies to offer a more sensitive and dependable product for the early detection of fire hazards in different environments, and for reducing false alarms. The Wireless Smoke and Heat Detector is the ideal choice for homeowners seeking the highest safety standards to protect their homes and families.

- Wireless combined smoke and heat detector
  - Earlier detection is achieved from fast temperate rate-of-rise before smoke is detected
  - Heat only mode enables installing in harsh environments such as kitchens or bathrooms
- Simple battery replacement by homeowner
- Two heat sensors measuring fixed temperature and rate-of-rise provide accurate readings and high false alarm immunity
- Compatible with all of RISCO Group's wireless systems, both 1-way and 2-way
- Built-in test button activates self test and alarm sound

RWX34S	Smoke & Heat Detector, 1 & 2 Way
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## Wireless Flood Detector

The Wireless Flood Detector is a fully supervised detector used to detect the presence of water based liquids at any chosen location such as basements or water tanks. The Wireless Flood Detector will alert the control panel in the event of the threat of flood, allowing rapid response to the threat.

- Digital Microprocessor with Intelligent Digital Signal Processing
- 2.4m cable between flood sensor and wireless transmitter for high mounting
- Cover & back tamper protection for transmitter
- Fully supervised
- Supervised flood sensor
- Operating Range: Up to 300m (1000 ft) outdoors
- Low battery supervision

RWT6F	Wireless Flood Detector
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## Wireless Accessories/Keyfobs

### Wireless CO Detector

The Wireless CO Detector detects and monitors the buildup of Carbon Monoxide (CO) in residential and commercial environments. CO is a highly dangerous poisonous gas and due to its colorless, odorless and tasteless properties can be hard to detect. An early detection of CO can therefore save lives. The Wireless CO Detector will alert the control panel in the event of high CO which will immediately forward the alert to a CMS or private phone number, enabling a rapid response to the threat.

- Integrated transmitter designed for use with RISCO Group's wireless alarm systems
- Loud alarm (85 dB) and signal to the panel when detecting buildup of CO
- Test button and continuous self-testing function
- Designed to meet the requirements of UL Standard 2034
- Includes 2 long-life 3V lithium batteries
- Fully wireless
- Easy installation using mounting bracket

RWT6C Wireless CO Detector



### Wireless Gas Detector

The Wireless Gas Detector detects the buildup of cooking and heating gases including butane, propane and methane (natural gas) which may indicate a leak and potential danger. Upon detecting a high level of the gas, the Wireless Gas Detector will sound the alarm and notify the control panel which will notify the monitoring station or end user, enabling a rapid response which could save lives.

- Continuous monitoring of Natural Gas, Methane, Propane and Butane
- Loud alarm (85 dB) and signal to the panel when detecting a buildup of gas
- Test button and continuous self-testing function
- Powered by 110 or 220VAC local mains power
- Fully Supervised
- Easy installation using mounting bracket

RWT6GS Wireless Gas Detector



### Wristband Panic Transmitter

The Wireless Wristband Panic Transmitter is a water resistant wristband, designed to be worn like a wristwatch or as a pendant. The panic transmitter can be used for personal emergency situations to signal a panic alarm in the event of distress when the victim is unable to reach another communication device. Ideal for the elderly or disabled- provides peace of mind to both the wearer and their families.

- Water resistant with IP67 rating
- Low battery and transmission LED indication
- Includes lithium battery
- Available in 868MHz and 433MHz

RWT51P Wristband Panic Transmitter



### 2-Button Panic Keyfob

The 2-Button Panic Keyfob is designed for personal emergency situations to signal a panic alarm in the event of distress when the victim is unable to reach another communication device. The keyfob is designed to prevent false panic alarms by requiring that both buttons be depressed simultaneously in order to send out an alarm. The keyfob also includes a handy belt-clip and can be attached to a key ring.

- Prevents false panic alarms
- Key ring, pendant or belt mounting
- Assigned to a zone on the control panel
- Includes lithium battery

RWT52P 2-Button Panic Keyfob



### 4 Button Keyfob

The 4-Button 1 way keyfob is a rolling code miniature transmitter used as a remote control with RISCO Group's wireless systems. The buttons are programmable for arm, disarm, stay, panic and output operations. Available in black and grey.

- Rolling Code technology
- Pocket size for key ring or pendant mounting
- Low battery and transmission LED indication

RW132KF1 4-Button Rolling Code keyfob, black

RP128T4RC/RP296T4RC 4-Button Rolling Code keyfob, grey



### 2-Way Remote Control

The 2-way Remote Control is a stylish 8 button keyfob which provides users with a convenient way to control their security systems.

The remote control is easy to use with large keys, and is typically used for arming and disarming as well as reviewing the current status of the system.

The 2-way capability enables a reply status to be received on the keyfob on the status indication LED, eradicating all doubt of the action performed and the system's status.

For increased security the remote control can also be further secured with a 4 digit PIN code.

- Bi-directional communication
- Colored system status LED display
- PIN code for higher security
- Low battery indicator
- Available in 868MHz and 433MHz

RW132KF2 2-way Remote Control





## Outdoor Wireless Sounders

RISCO Group's wireless external sounder is designed to extend the signaling capabilities of the security system outside the protected area in any outdoor environment. Being fully battery operated and wireless, it offers an easy and flexible solution for quick installation.



The sounder includes a pre-alarm feature that begins at entry delay countdown and sounds an alarm if RISCO Group's wireless systems are vandalized during entry delay. In this situation, the siren will activate independently of the control panel.

The external wireless sounder also provides squawk notifications when the system is armed or disarmed, including a special 4 squawk notification that indicates that the alarm has been triggered which could signify a break-in.

Available in various colors and shapes several wireless sounders can be assigned to a single system.

- Fully battery powered
- Fully supervised
- 105dBA piezo sound output, adjustable volume
- Alarm / Tamper indication
- Low Battery indication
- Sounder Self Testing
- Local sabotage alarm following entry delay time
- Remote programming and diagnostics
- Cover and back tamper protection

RWS20	ProSound™ External Wireless Sounder (orange)
RWS50	Wireless External Sounder, Triangular Design (red, blue, orange)
RWS401	Wireless Lumin8™ Sounder (blue, orange)
RWS52	Wireless External Sounder, Oval Design (red, blue, orange)
RWS53	Wireless External Sounder, Rectangular Design (red, blue)

## Wireless Indoor Sounder

RISCO Group's wireless internal sounder is an aesthetically designed, fully wireless unit designed for residential applications which extends the sounding of the alarm into the indoor environment and can be used to scare off intruders.

Being fully 2-way, the internal sounder can be mounted in a central location inside the premises close to where the user resides with the control panel safely installed out of the sight of intruders.

A unique feature of the sounder includes a pre-alarm feature that starts an entry delay countdown and sends an alarm if RISCO Group's wireless systems are vandalized during entry delay.



- Fully battery powered
- 2-way wireless
- Fully supervised
- 105dBA piezo sound output, adjustable volume
- Local sabotage alarm following entry delay time
- Supports remote programming and diagnostics
- Cover and back tamper protection

RWS42	Wireless indoor sounder, round
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## Wireless Repeater

The 1-way wireless repeater is used for extending the wireless range between RISCO Group's systems and their 1-way wireless accessories. The repeater can extend the distance in a regular environment or increase the distance in environments with a high level of noise that can affect the distance. Several wireless repeaters can be chained together (up to 7), so that the potential range can be greatly extended.

- High-sensitivity super heterodyne receiver and transmitter
- Up to 12 transmitters per receiver
- Repeaters can be chained for range extension up to 7 times
- Internal rechargeable battery backup (batteries not supplied)
- Accepts 12-16 volt AC or DC electrical supply

RW128EWR	Wireless Repeater
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## Elegant Keypad

Available in black or white, the Elegant Keypad is a slimmer, more sensitive and reliable keypad which is responsive to touch.

- Available both with and without proximity reader
- Simple to install with incorporated back plate
- Compatible with RISCO Group's wired and hybrid intrusion systems

RPKEL01	Elegant Keypad, Black
RPKELP1	Elegant Keypad with Prox, Black
RPKEL02	Elegant Keypad, White
RPKELP2	Elegant Keypad with Prox, White



## Touchscreen Keypad

Available in black or white, the Touchscreen Keypad has a streamlined design incorporating a glass screen which is responsive to touch.

- Cool blue backlight
- Intuitive menu-driven user interface
- Available with or without proximity reader

RP128KP01	Touchscreen keypad, Black
RP128KPP1	Touchscreen keypad with Prox, Black
RP128KP02	Touchscreen keypad, White
RP128KPP2	Touchscreen keypad with Prox, White



## LightSYS™ LCD Keypad

A standard and affordable keypad that is compatible with the LightSYS™ and ProSYS™ systems.

- Simple to use
- Full installer programming capabilities
- Available with or without proximity reader

RP432KP	LightSYS™ LCD Keypad
RP432KPP	LightSYS™ LCD Keypad with Prox



## Smartpad

The SmartPad is a tablet based keypad offering the ultimate user and installer experience. Security control and monitoring of the premises is easy to use, with floor plans that include detector locations and display of live video from IP cameras.

- Full color SmartPad tablet keypads for ultimate user and installer experience
- View live video from IP cameras on the premises
- Complete system visualization with interlinked floor plans, photographs and detector locations

RPSK	SmartPad Tablet Keypad
RPSKP	SmartPad with Prox



## Agility™ LCD Keypad

The Agility™ 2-way Wireless LCD keypad enables the user to remotely control and operate the Agility™ security system. Using the modern blue LCD display and the multi-language support, the system is easy to operate either using the keypad itself or a proximity tag. The keypad can be used for both arming/disarming the system as well as activating home appliances.

The keypad is easy to install using a dedicated mounting bracket. Being fully 2-way, the keypad can be mounted in an easily accessible location close to the main entrance, with the control panel safely installed out of the sight of intruders.

- Fully wireless installer programming and end-user operation
- Blue LCD and backlight
- Up to 3 keypads per system
- 2-Button emergency keys
- Simple operation for arm/disarm using a proximity tag
- Simplified menu logic- displays only relevant menus according to hardware configuration, accessories installed and authorization level
- Multi-lingual support
- Bracket to wall for easy installation
- Double tamper protection

RW132KP	Agility™ LCD Keypad
RW132KPP	Agility™ LCD Keypad (including proximity)



## Wireless 2-Way Slim Keypad

The 2-Way Wireless Slim Keypad is a stylish, cost-effective keypad used for operating and controlling RISCO systems. Available in both indoor (white) and outdoor (black) versions.

The 2-way wireless slim keypad also includes an internal proximity reader for easy operation by the end-user using a proximity tag. Being bi-directional the 2-Way keypad receives a reply status indication from the panel for each command that it has sent to the panel.

The keypad is easy to install using a dedicated mounting bracket. Being fully 2-way, the keypad can be mounted in an easily accessible location close to the main entrance, with the control panel safely installed out of the sight of intruders.

- Bi-directional wireless communication
- Up to three wireless keypads per system
- Power-save light sensor
- Full system user operation
- Built in proximity reader
- Wall tamper protection
- Battery economy mode
- Wireless doorbell function
- Outdoor-certified IP65 (RW132KL1P only)

RW132KL1P	Wireless 2-Way Slim Keypad (Black-outdoor),
RW132KL2P	Wireless 2-Way Slim Keypad (White-indoor)





RISCO Group has developed cutting-edge detection technologies that increase catch performance significantly while reducing the incidence of false alarms. These unique technologies enable the reliable differentiation between humans and interference in outdoor and indoor environments.



### K-Band Microwave Technology

Reducing false alarms in Indoor DT Detectors

K-Band microwave technology operates at 24 GHz and delivers more uniform coverage of the detection area. K-Band microwave features reduced wall penetration ("bleeding") so that people walking in a corridor outside the protected room do not cause false alarms.



### Sway Recognition™ Technology

Microwave Technology for Outdoor and Industrial Detectors

Sway Recognition™ Technology recognizes and excludes objects that sway and move repetitively, such as swaying bushes. Two microwave channels enable differentiation of forward from backward moving targets and subtracts their Doppler pulses, thus measuring the NET travel distance. Swaying bushes or targets with repetitive movement travel a limited NET distance and are instantly eliminated as intrusion events.



### Digital Correlation™ Technology

PIR Technology for Outdoor Detectors

Digital Correlation™ Technology ensures that only targets that cause similar and correlating signals in both PIR channels are potential threats. Two independent PIR channels with separate lenses create a vertically interlacing detection pattern, achieving pet immunity. Pets, due to their size, cannot be in both PIR detection patterns at the same time.



### Direct Sunlight Immunity

For Wired and Wireless Barrier Beams

Direct Sunlight Immunity is achieved by using extremely short beam pulse duration together with optical and electronic filtering. This unique design filters out IR energy from the sun and provides high performance even in direct sunlight.



### Green Consumption Technology

For Wireless Barrier Beams

Intelligent electronic design, with module synchronization and extremely short pulse duration, enables achieving 3 year typical battery life with standard 3V lithium batteries.



### Anti-Cloak™ Technology

Detecting cloaked burglars in Indoor DT Detectors

Anti-Cloak Technology (ACT™) is a patented innovation that provides the benefits of dual technology while avoiding its drawbacks. ACT™ enables superior catch performance by switching to microwave-only mode either when room temperature is close to body temperature or when a cloaking attempt is recognized.



Green Line

### Green Line™ Technology

Environmentally Friendly Technology for DT Detectors

Green Line™ follows environmentally friendly guidelines by avoiding surplus radiation emissions. In Green Line™ detectors, the active microwave channel can be disabled when the alarm system is in disarm mode, thus eliminating surplus microwave radiation while occupants are on the premises.



### Active IR for Anti-mask in DT and PIR Detectors

The most reliable Anti-Mask Technology

Active IR technology checks for deviations in lens transparency and reflections close to the lens. Active IR is the most reliable anti-mask method as it continuously checks the physical capability of the detector to see through the lens, for indicating masking and for canceling mask status.



### Proximity Anti-Sabotage

Proximity Alerts for Approaching Sabotage Attempts

Proximity anti-sabotage issues pre-alerts before the detector is damaged or masked. The unique technology employs two microwave channels for identifying the approaching individual - with directional and proximity analysis.



### Intelligent Digital Signal Processing (DSP)

An Advanced PIR Signal Processing Technology for Indoor Detectors

Provides a real-time adaptation of the alarm threshold based on the speed that an intruder crosses the PIR beams, rather than using a factory-fixed threshold.



### Variable Pet Threshold (VPT™)

A Unique PIR processing Technology for Pet Friendly Detectors

VPT™ distinguishes between intruders and pets. VPT™ measures the target crossing speed and sets the alarm threshold above the pet signal and below the intruder level, assuring detection of intruders while ignoring pets.





### WatchOUT™ DT eXtreme

Providing reliable intruder detection in outdoor environments is a huge challenge that has been met above all expectations by the award winning WatchOUT™ detector series.



Based on market demand, the improved WatchOUT™ eXtreme provides better 24-hour protection against vandalism, with both Active IR Anti-mask and Proximity alerts. These benefits, together with RISCO Group's unique outdoor detection technologies - Sway Recognition™ and Digital Correlation™ - take WatchOUT™'s performance to the extreme.

- Coverage: Wide angle: 15m (50') 90°, Long-range: 23m (75') 5°, Barrier: 15m (50') 5°
- Pet friendly up to 70cm (2'4")
- Two microwave and two PIR channels
- Microwave anti-collision allows back-to-back and face-to-face installations
- Flexible mounting height 1m to 2.7m (3' to 8') and wide range of professional swivel brackets protective hood and IP65 environment rating
- RISCO Bus dramatically reduces cabling, installation equipment and labor costs, while providing benefits of remote services
- Opto relays for defeating large magnets
- Active IR anti-mask and Proximity alerts

### WatchOUT™ PIR



WatchOUT™ PIR has been designed to provide better than ever false alarm immunity, using two PIR channels with two separate detection areas. Only when an intruder is detected inside both areas is the alarm triggered, eliminating false alarms from pets and reflections.

The WatchOUT™ PIR can be installed on the RISCO Bus saving time and money.

- Reliable PIR detection for outdoor areas
- Two detection areas for superior stability
- Adjustable wide angle coverage up to 12m
- Optional 23m long-range lens
- Pet friendly up to 45 Kg
- Protective hood and IP65 environmental rating
- RISCO Bus dramatically reduces cabling, installation equipment and labor costs, while providing the benefits of remote services

### WatchOUT™'s Selective Event Recognition Is Enabled by 4 Detection Channels

**Sway Recognition™** Technology uses 2 microwave channels for recognizing and excluding swaying objects such as bushes or trees.

**Digital Correlation™** Technology uses 2 PIR channels with separate lenses to ensure that only targets creating a similar and correlated signal in both PIR channels trigger an alarm. Pets, rapid temperature changes and reflections are ignored.



### 24-Hour Protection against Vandalism

WatchOUT™ eXtreme provides 24-hour protection against sabotage or masking.

**Active IR Anti-Mask** 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.

### WatchOUT™ Is Ideal For Protecting Remote Antenna Sites

WatchOUT™ eXtreme is the only outdoor detector that is reliable enough for protecting remote sites in harsh outdoor environments. With WatchOUT™ installed on the RISCO Bus and controlled from SynopSYS Integrated Security and Building Management™ in the control room via IP or GSM/GPRS, RISCO Group provides the perfect solution.

RK325DT	WatchOUT DT eXtreme
RK312PR	WatchOUT™ PIR
RA300S	Standard Swivel for PIR & Wireless models (supplied with DT model)
RA300B	Barrier swivel for installation 90° to the mounting surface
RA300P	Pole adaptor for professional installation on poles
RA300C	Conduit adaptor for installation with wiring external to the wall, when not using the standard swivel
RA300SC:	Swivel Metal Conduit for installation with wiring external to the wall, when using the standard swivel
RL312LR:	Long range lens for WatchOUT™ PIR & Wireless



### Barrier Beams

RISCO Group's landmark range of Wireless and Wired Active Infrared Barrier Beams are the ultimate solution for outdoor perimeter protection of residential and commercial properties.



Powered by breakthrough technologies, high performance and resilience is ensured even in direct sunlight. Installation has never been easier with plug & play auto-setup simple beam alignment.

- Outdoor range up to 5m (16'5") on wireless beams and 15m (50') on wired beams
- Barrier up to 2.7m (9') with up to 10 pairs of synchronized twin beams
- Operates in direct sunlight due to unique IR beam technology
- High false alarm immunity from leaves, blowing debris and small animals
- Anti-sabotage by encrypted beam signal and anti-collision prevents crosstalk between units on adjacent windows
- Cover and wall tamper protection
- Simple beam alignment with LED bar indication and buzzer
- UV protected polycarbonate IR filter cover and anodized aluminum rail
- Wireless models powered by standard 3V CR123A lithium batteries with 3 year typical lifetime

See P/N's on page 36



### Wireless Twin Beams

The wireless twin beams provide perimeter protection even when windows are left open, and allows freedom of movement without threat of false alarms.

The wireless twin beams are compatible with all RISCO Group wireless and hybrid security systems, and available in a kit format.

- Operates in direct sunlight with high false alarm immunity from leaves, blowing debris and small animals
- Simple beam alignment
- Anti-sabotage with encrypted ID and anti-collision between adjacent units
- Designed for IP65 environmental protection
- Powered by standard 3V lithium batteries with 3 year typical lifetime

RWT74 Wireless Twin Beams Kit



### Wired Twin Beams

The wired twin beams are designed for a wide variety of residential and commercial outdoor applications, and provide reliable and cost-effective perimeter protection of buildings, fences, warehouses, factories, parking lots and gardens.

- Outdoor range up to 75m (250ft)
- Twin beams prevent false alarms from flying birds, falling leaves, etc.
- Quick and easy installation with simple beam alignment
- Concealed 180° rotary optical system allows side aiming
- Rugged waterproof housing
- Adjustable beam interruption period
- 4 selectable beam frequencies prevent crosstalk between multiple units in long distance or beam stacking applications (Beam 72 only)

Beam 7115	Twin Beam 15m (50ft)
Beam 7140	Twin Beam 40, (130ft)
Beam 7225	Twin Beam 25m (82ft)
Beam 7250	Twin Beam 50m (165ft)
Beam 7275	Twin Beam 75m (250ft)





## Industrial LuNAR™

The Industrial LuNAR™ Grade 3 is the most intelligent ceiling detector available – with a unique bi-directional remote control and a mounting height of up to 8.6m (28').



As the only ceiling mount detector with Anti-Cloak™ Technology, it detects intruder camouflage attempts and delivers the highest performance level - even at high warehouse temperatures.

Industrial LuNAR™ is the ideal solution for this application as the detector is difficult to mask or block unintentionally when shelves are rearranged or boxes are stacked up.

- RISCO Bus detector with Anti-Cloak™ Technology
- Up to 8.6m (28') mounting height
- 360° by 18m (60') diameter coverage pattern
- 3 independently adjustable PIR channels for customized coverage
- RISCO Bus dramatically reduces cabling, installation equipment and labor costs, while providing benefits of remote services
- Active IR Anti-Mask on all three channels
- Built-in Triple EOL resistors, jumper selectable
- Remote Control & Diagnostics via PC software or a bi-directional remote control

RK200DTG3	Industrial LuNAR™ DT AM Grade 3
RK200RC	Industrial LuNAR™ Remote Control

## Industrial LuNAR™ Remote Control

The Remote Control (RC) device is a unique bi-directional infrared remote control tool used to easily control and test the Industrial LuNAR™ detector.

The RC can perform a self-test on the detector and receive data and status reports. It can also send information to the detector and update the detector's parameters.

The RC is powered by two lithium CR123 batteries.

- Remote microwave adjustment enables one-man walk test without climbing ladders
- Remote display and control of detector settings: MW adjustment, ACT on/off, LEDs on/off
- Remote trouble indication (Pass/Fail) for the PIR, MW and power supply input
- Diagnostics- detector input voltage reading status of each PIR channel
- MW channel (signal voltage and noise levels)



## WatchIN™

The WatchIN™ Industrial Grade 3 Detector provides superior catch performance and immunity to false alarms, especially in extremely harsh environments such as production areas containing 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, Green Line™ Technology and RISCO Bus Technology. WatchIN™ is designed to meet PD6662, EN 50131-1 and EN50131-2-4 Grade 3, Environmental Class III.

WatchIN™ can be installed on the RISCO Bus, dramatically reducing cabling, installation equipment and labor costs, while providing the benefits of remote services.

- 2 MW and 2 PIR channels
- Coverage 25m (82') wide-angle
- Anti-Cloak™ Technology for catching cloaked burglars or in a heat wave
- Sway Recognition Technology for eliminating false alarms from operating machinery and other objects that move repetitively but don't travel
- RISCO Bus dramatically reduces cabling, installation equipment and labor costs, while providing benefits of remote services
- Rubber seal provides IP65 environment rating:
  - Allows installation in high humidity areas such as ocean swept open hangars
  - Eliminates ingress of dust particles common in industrial sites
- Protective Optical Shields eliminates false alarms from headlights or sun rays reflected from metal objects in production or warehouse areas
- Active IR for anti-mask
- Microwave Anti-collision allows back-to-back or face-to-face installations
- Built-in Triple EOL resistors, jumper selectable
- Opto relays for defeating large magnets
- Wide range of professional swivels

RK325	WatchIN™ Grade 3 DT Am c/w standard swivel and barrier replacement lens
RA300B	Barrier Swivel
RA300P	Pole Adapter
RA300C	Conduit Adapter
RA300SC	Swivel Metal Conduit



### Seismic Detector

RISCO Group's high security seismic detector is your ultimate choice for 24/7 protection of vaults, safes, ATMs, reinforced concrete walls and strong rooms, steel armored cabinets, vending machines and doors.



Powered by RISCO Group's advanced technologies, the seismic detector monitors the vibration and temperature of the protected surface and detects all known types of intruder attacks, such as sledge hammers, diamond head drills, explosives, hydraulic pressure tools and thermal tools.

The RISCO Seismic Detector is extremely simple to install and can be installed on the RISCO Bus allowing unique remote parameter setting and diagnostic capabilities - or as a regular relay detector with built-in EOL resistors.

- Piezo sensor with pattern recognition digital signal processing
- Temperature sensors detect extreme cold and high temperature attacks
- Detection range up to 5m (16') radius
- Anti-drilling shield as standard
- Remote sensitivity reduction input, allows reducing sensitivity during ATM or vending machine dispensing
- Wall and cover tamper protection
- Relay or RISCO Bus installation

RK66S	Seismic Detector, includes mounting plate, test generator, anti-drilling shield and heavy duty installation bolts
RK66K	Keyhole protection accessory

### BWare™

BWare™ is RISCO Group's state-of-the-art commercial detector series. Powered by RISCO's unique detection technologies, these elegant and easy to install detectors are ideal for commercial, institutional and high-end residential installations.



BWare™ incorporates RISCO Group's unique Anti-Cloak Technology™ for detecting cloaked burglars, and utilizes K-band microwave technology for a more accurate assessment of the threat, improving false alarm immunity. The BWare™ Bus versions save installation time and costs, and can be remotely serviced using the RISCO Bus. A convex lens provides enhanced catch performance and gold-plated wall and cover tampers for higher reliability.

- K-band microwave for superior performance and false alarm immunity
- Anti-Cloak™ technology (ACT™)
- Internal cover protecting the PCB
- Elegant sleek design with a single convex lens
- Dual MW and PIR technologies
- 15m (50') coverage
- Green Line™ for disabling the MW during disarm
- Active IR Anti-mask on Grade 3 models
- Built-in Triple EOL resistors, jumper selectable
- Opto relays for defeating large magnets
- Cover and wall/corner tampers
- Corridor and Curtain lenses (optional)

RK515DTG3	BWare™ DT AM
RK515DTBG3	BWare™ DT AM Bus
RK500QOG3	BWare™ Quad AM
RK500QBG3	BWare™ Quad AM Bus
RK515DTGL	BWare™ DT
RK515DTBGL	BWare™ DT Bus
RK500Q	BWare™ Quad
RK500QB	BWare™ Quad Bus
3RL0024V	Curtain Lens 12m (40'), 50 for BWare™ DT AM
3RL0024H	Curtain Lens 12m (40'), 50 for BWare™ DT
3RL0025V	Corridor Lens 17m (56'), 5' for BWare™ DT AM
3RL0025V	Corridor Lens 17m (56'), 5' for BWare™ DT
RA51T	BWare™ Wall/Ceiling Swivel Bracket



### iWISE®

iWISE® is RISCO Group's field proven detector series with Anti-Cloak™ Technology for detecting cloaked intruders and for heat waves and active infra-red for reliable anti-mask detection. iWISE® is available in a variety of models for Grade 2, Grade 3, Pet friendly and RISCO Bus installations.



The iWISE® DT PET is ideal for any type of installation where pets are present, allowing complete freedom of movement for pets with no loss of catch performance. A specially designed lens together with RISCO Group's unique Variable Pet Threshold™ (VPT™) technology and active creep zone ensure intruder detection together with pet immunity.

- Dual MW and PIR technologies
- 15m or 25m models (50' or 82')
- Anti-Cloak Technology™ (ACT™)
- Green Line™ for disabling the MW during disarm
- Active IR Anti-Mask on Grade 3 models
- Built-in Triple EOL resistors, jumper selectable
- Opto relays for defeating large magnets
- Cover and wall/corner tampers
- Corridor and Curtain lenses (optional)
- RISCO Bus models include an extra zone input for convenient connection of a contact or any relay detector, saving on wiring back to the panel

Grade 3	
RK815DTG3	iWISE® DTAM Grade 3, 15m (50')
RK825DTG3	iWISE® DTAM Grade 3, 25m (82')
RK800QOG3	iWISE® QUAD AM, Grade 3
RK815DTBG3	iWISE® Bus DT AM Grade 3, 15m (50')
RK825DTBG3	iWISE® Bus DT AM Grade 3, 25m (82')
RK800QBG3	iWISE® Bus QUAD AM, Grade 3
RK800QS	iWISE® QUADSEQ, Grade 3

Grade 2	
RK810DT	iWISE® DT Grade 2, 10m (33')
RK815DT	iWISE® DT Grade 2, 15m (50')
RK825DT	iWISE® DT Grade 2, 25m (82')
RK800Q	iWISE® QUAD, Grade 2
RK811DTPT	iWISE® DT PET
RK800PT	iWISE® PET
RA91T	iWISE® wall swivel with tamper
RA91	iWISE® wall/corner swivel
RA90	iWISE® ceiling swivel

Lenses	
<b>iWISE® DT AM G3</b>	
RL115CV	12m (40') Curtain
RL15V	15m (50') Corridor
RL17V	23m (75') Corridor
<b>iWISE® DT G2</b>	
RL115C	12m (40') Curtain
RL15	15m (50') Corridor
RL17	23m (75') Corridor

### LuNAR™

The LuNAR™ series combines sophisticated detection capabilities with a slim design. LuNAR™ is the ideal solution for areas in which wall and corner mounting is unsuitable. LuNAR™ is available in three models: DT AM Grade 3, DT Grade 2 and PIR Grade 2.

- 360° low profile ceiling mount
- Coverage 12m (40') diameter
- Anti-Cloak™ Technology (DT Models)
- Green Line™ for disabling the MW during disarm (DT Grade 3)
- Active IR Anti-Mask (DT Grade 3)
- Digital Detector with True Temperature Compensation
- Built-in EOL resistors, jumper selectable
- Cover and back tampers

RK150FT	LuNAR DT
RK2000	LuNAR PIR



### ShockTec™ and ShockTec™ Plus - Digital Shock Detectors

The ShockTec™ series includes digital shock detectors providing reliable 24-hour perimeter protection. A break-in is detected as soon as the intruder attempts to force, smash, drill or even saw through the protected window, door, wall or roof. ShockTec™ employs an advanced digital microprocessor to analyze the vibration signal received from the piezo electric sensor. A unique feature of ShockTec™ 600S is its digital sampling of the signal simultaneously in two separate channels, each channel amplified at a different gain. This provides an extremely wide dynamic range of the sampled signal, enabling precise measurement and analysis of the shock signal. ShockTec™ Plus also has a magnetic reed switch for double protection of shock including opening of windows or doors, connected to two separate zones in the panel. Any attempt to defeat the detector by using large magnets as defined by EN-50131-2-6 Security Grade 2 requirements, will cause a tamper.

- Digital Microprocessor with Intelligent Digital Signal Processing
- Gross Attack detection
- Incorporates a door/window magnetic contact for shock and contact protection (separate zones)
- Attempts to defeat the contact with large magnets cause a tamper alarm
- Intelligent Digital Signal processing – differentiates between naturally caused vibrations and cuts out frequencies that cannot be caused by an illegal entry attempt
- Ideal for windows, doors, walls and roofs
- Encapsulated bi-morph piezo electric sensor

RK600S	ShockTec™ Digital Shock Detector
RK601SM	Shocktec™ Plus with Contact
RK600S0G3	ShockTec Grade 3
RK601SMG3	ShockTec Plus Magnet Grade 3



### ViTRON™ Acoustic Glass Break Detectors

ViTRON™ uses a unique pattern recognition analysis of framed pane glass breakage, providing superior detection combined with excellent false alarm immunity. These adjustment-free and easy-to-install units detect the breaking of all standard framed glass types and thicknesses while ignoring non-framed glass breakage and other possible sources of false alarms.

- Provides reliable perimeter glass break detection
- Detects breakage of all glass types: plate, tempered, laminated and wired
- Microprocessor-based Dual Frequency Pattern Recognition
- 9m (30') range with omni-directional microphone
- Dead microphone supervision
- Remote test without opening unit
- Test using ViTRON™ Tester

RG61G3	ViTRON™ Glassbreak Detector
RG65	Tester for ViTRON™
RA66	ViTRON™ Swivel Bracket





### ProSound™ Professional External Sounder

RISCO Group's ProSound™ Professional External Sounder combines high performance and reliability with an elegant design, making it the ideal addition to any installation.



ProSound™ can be installed on any control panel or on the Bus of RISCO Group's systems, simplifying installation and adding sophisticated remote control and diagnostic capabilities that ensure ongoing savings in time and truck-roll.

- Long-life SLT™ strobe with 106 dBA sounder
- UV-treated weatherproof and vandal resistant polycarbonate housing
- Anti-foam, anti-drilling and anti-approach protection
- Double skin with internal metal cover
- Remote parameter settings and diagnostics when installed on RISCO Bus
- Battery enables 36-hour backup or 80 minutes alarm
- Auto-recharging and automatic battery disconnect prevents deep discharge
- Arm/Disarm and alarm memory indications via status LED
- Wall and cover tampers with internal EOL resistor
- Optional patent-pending spotlight to illuminate your logo at all hours, advertising your business even on the darkest of nights
- New and improved mechanical design
- ProSound™ now available in a fully wireless version

RS200WAP	ProSound™ with Proximity protection
RS200WA	ProSound™
RS200LW	ProSound External Lamp

### LuMIN8™ Professional External Sounder with Logo Illuminator

The Lumin8™ professional external sounder uses a patent-pending spotlight to illuminate your logo at all hours, advertising your business even on the darkest of nights.



Powered by RISCO Bus Technology, the Lumin8™ supports remote servicing when installed on a RISCO Security System, saving time and money on installation and maintenance.

- Twin piezo sounders
- Encapsulated PCB
- Locking hinge and screwdriver holder acts as a second pair of hands during installation
- Audible setting confirmation
- Selectable sound options
- Remote and local engineer mode
- Protection from power supply inverted connection
- Cover & wall tampers

RS4012	LuMIN8™ Sounder
RS4022	Lumin8 Delta, 2 Piezo+Lamp



## Security

	ProSYS™ Plus	LightSYS™ 2	Agility™ 3	WisDom
Type	Integrated Security System with video verification and smartphone apps for large commercial installations. Powered by RISCO Cloud	Hybrid Security System with video verification and smartphone apps for small commercial and residential markets. Powered by RISCO Cloud.	2-Way Wireless Security System with visual verification and separate keypad. Powered by RISCO Cloud.	Wireless Security System with integral keypad
EN Security Grade	Grade 3 or 2 selectable	Grade 2	Grade 2	Grade 2
Zones	8-512	8-32	32 + 4 wired with I/O Expander	32 + 1 wired
Partitions	32	4	3	3
Groups per partition	4	4		
Wireless zones	252	32	32	32
User codes	1000	16	32	30
Event log	2000	500 on board, over 2000 logged on server	250 on board, over 2000 logged on server	250
Programmable outputs	6-262	4-14	4 with I/O expander	4
Account numbers	32	4	3	3
Reporting formats	Contact ID, SIA, SIA IP, SIA + Text		Contact ID, SIA, SIA IP, SIA + Text	Contact ID, SIA
Wired keypads	48	4		Integral LCD keypad
2-Way Wireless Keypads with Proximity	32 (Slim Keypads)	4 (Slim Keypads)	3 (LCD or Slim Keypads)	2 (1-way keypad)
Proximity key readers	32	8		
Voice module with full menu guide	Optional - 2-way VOX for automatic switching between listen-in and speak-in - Pre-recorded or user-recorded messages for all zones, partitions, outputs - Remote operations such as acknowledge event, arm/disarm, activate output		Integral as standard - 2-way VOX for automatic switching between listen-in and speak-in - Pre-recorded or user-recorded messages for all zones, partitions, outputs - Remote operations such as acknowledge event, arm/disarm, activate output	Integral as standard - Remote listen-in and speak-in - User-recorded messages for all zones, partitions, outputs - Remote operations such as acknowledge event, arm / disarm, activate output
End-User event notification options	Push notification with Smartphone App, Voice messages, SMS, Email			Voice messages, SMS
Integrated Access Control	121 doors			
Housing	Metal	Polycarbonate or Metal	Polycarbonate	

## Communication

IP	Plug-in module	Plug-in module	Plug-in module	
GSM/GPRS	Plug-in module	Plug-in module	Plug-in module	AGM
PSTN	Plug-in module	Onboard	Plug-in module	Onboard
Long Range Radio	Fully integrated and programmable from ProSYS™ Plus	Fully integrated and programmable from LightSYS™ 2		

## Unique to RISCO Systems

SynopsYS Integrated Security & Building Management™ system integration	Yes	Yes		
Video Verification with IP Cameras	Yes	Yes	Yes	
Video Verification with PIR Cameras	Yes	Yes	Yes	
Smartphone App and Web Control via RISCO Cloud	Yes	Yes	Yes	
RISCO Bus detectors	512	32		
Remote detector parameter setting and diagnostics	On RISCO Bus and 2-Way Wireless detectors and sounders	On RISCO Bus and 2-Way Wireless detectors and sounders	On 2-Way Wireless detectors and sounders	On 2-way wireless sounders
Bus Test	Yes	Yes		
Adaptive Menu Tree	Yes	Yes	Yes	No
Additional inputs	Bell Tamper, Box Tamper	Bell Tamper, Box Tamper	4 wired zone inputs via Wireless I/O expander	
2-Way wireless detectors and sounders	Yes	Yes	Yes	Sounders only
Remote firmware upgrade	Yes	Yes	Yes	
Configuration Software via RISCO Cloud	Yes	Yes	Yes	



# Motion Detectors Feature Table

	WatchOUT™ DT eXtreme	WatchOUT™ PIR	WatchIN™	Industrial LuNAR™ Grade 3	BWare™ DT AM Grade 3	BWare™ QUAD AM Grade 3
Type	Outdoor, IP 65	Outdoor, IP 65	Industrial IP 65	Industrial High Ceiling	Indoor DT	Indoor QUAD
PD6662, EN50131	N/A	N/A	Grade 3	Grade 3	Grade 3	Grade 3
RISCO Bus	✓	✓	✓	✓	✓	✓
Microwave	X-band, 2 channels	2 dual elements, 2 separate lenses	X-band, 2 channels	X-band	K-band	Special BWare™ Bus models
PIR sensor	2 dual elements, 2 separate lenses	2 dual elements, 2 separate lenses	3 dual elements, 3 separate lenses	3 dual elements, 3 separate lenses	Dual element	2 dual elements
Sway Recognition™ Technology	✓	✓	✓	✓	✓	✓
Digital Correlation Technology	✓	✓	✓	✓	✓	✓
Anti-Cloak™ Technology	✓	✓	✓	✓	✓	✓
Green Line™	✓	✓	✓	✓	✓	✓
Intelligent Digital Signal Processing	✓	✓	✓	✓	✓	✓
Digital detector and true temperature compensation	✓	✓	✓	✓	✓	✓
Pet Friendly	70cm (2.4") animal head height	45kg (100lb)				
Variable Pet Threshold™ (VPT)						
Built-in EOL resistors	4 active IR channels + Proximity using 2 microwave channels	4 active IR channels	4 active IR channels	3 active IR channels	Active IR	Active IR
Anti-mask method	Wide-angle: 15m (50') 90° Long-range: 23m (75') 5° Barrier: 1.5m (50') 5° Wide-angle for installs below 1.7m	Wide angle: 12m (40') 90° Long-range: 23m (75') 5°	Wide angle: 25m (83') 90° Barrier: 27m (88') 5°	360° 18m (60') diameter	Wide angle 15m (50') Corridor lens 17m (56') Curtain lens 12m (40')	Wide angle 15m (50')
Coverage & lenses supplied	1m to 2.7m (3'3" to 8'10") 2.2m (7'2") for Barrier & Long Range lenses - Standard swivel bracket, Barrier swivel - Pole adaptor, Conduit adaptor, - Swivel metal Conduit, camera covers with or without camera	0.8-1.2m (27"-3'11") 2.2m (7'2") for Long range Range lenses	2.4m-3.7m (7'10"-12'2")	2.7m-8.6m (9'-28')	2.1m-2.7m (7'-9')	2.1-3.3m (7'-11')
Optional lenses						
Mounting height						
Optional Accessories						Wall/ceiling swivel with back tamper

	iWISE™ AM Grade 3	iWISE™ QUAD AM Grade 3	iWISE™ QUADSEQ	iWISE™ DT	iWISE™ QUAD	iWISE™ PET/DT PET	LuNAR™ DT Grade 3	LuNAR™ PR	DigiSense™ DT	DigiSense™ DT PET	DigiSense™ PIR & Quad	DigiSense™ PIR Pet
Type	Indoor DT	Indoor QUAD	Indoor QUAD Sequential Confirmation	Indoor DT	Indoor QUAD	Indoor Pet	Ceiling	Ceiling	Indoor DT	Indoor Pet	Indoor PIR	Indoor Pet
PD6662, EN50131	Grade 3	Grade 3	Grade 3	Grade 2	Grade 2	Grade 2	Grade 3	Grade 2	Grade 2	Grade 2	Grade 2	Grade 2
RISCO Bus	Special iWise® Bus models	Special iWise® Bus models	Special iWise® Bus models	Special iWise® Bus models	Special iWise® Bus models	X-band	X-band	X-band	X-band	X-band	X-band	X-band
Microwave	Dual element	2 dual elements	2 dual elements, 2 separate areas	Dual element	2 dual elements	Dual element	Dual element	Dual element	Dual element	Dual element	PIR: dual element, QUAD: dual element	Dual element
PIR sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anti-Cloak™ Technology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Green Line™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Digital Signal Processing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital detector and true temperature compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pet Friendly												
Variable Pet Threshold™ (VPT)												
Built-in EOL resistors	Active IR	Active IR	Active IR	Active IR	Active IR	In DT model	Active IR	Active IR	Active IR	Active IR	Active IR	Active IR
Anti-mask method	Wide angle 15m (50') 90° Corridor lens 15m (50') 23m (75') Curtain lens 12m (40')	Wide angle 15m (50')	Wide angle 12m (40')	Wide angle 10m (33') 15m (50') 23m (75') Corridor lens 15m (50') 23m (75') Curtain lens 12m (40')	Wide angle 8m or 11m (36 or 35)	Wide angle 8m or 11m (36 or 35)	360° 12m (40') diameter	360° 12m (40') diameter	15m (40') wide-angle	12m (40') wide angle	15m (40') wide-angle	12m (40') wide angle
Coverage & lenses supplied	2.1m-2.7m (7'-9')	2.1-3.3m (7'-11')	2.2-2.5m (7'2"-8'2")	2.1m-2.7m (7'-9')	2.1-3.3m (7'-11')	2.1-2.4m (7'-7'10")	2.8m-4m (9'-13')	2.1m-2.7m (6'7"-9')	2.4m (7'10")	2.4m (7'10")	2.1m-2.7m (6'7"-9')	2.4m (7'10")
Optional lenses												
Mounting height												
Optional Accessories		Wall swivel with back tamper Wall/Corner swivel Ceiling swivel									Wall bracket (supplied as standard)	



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