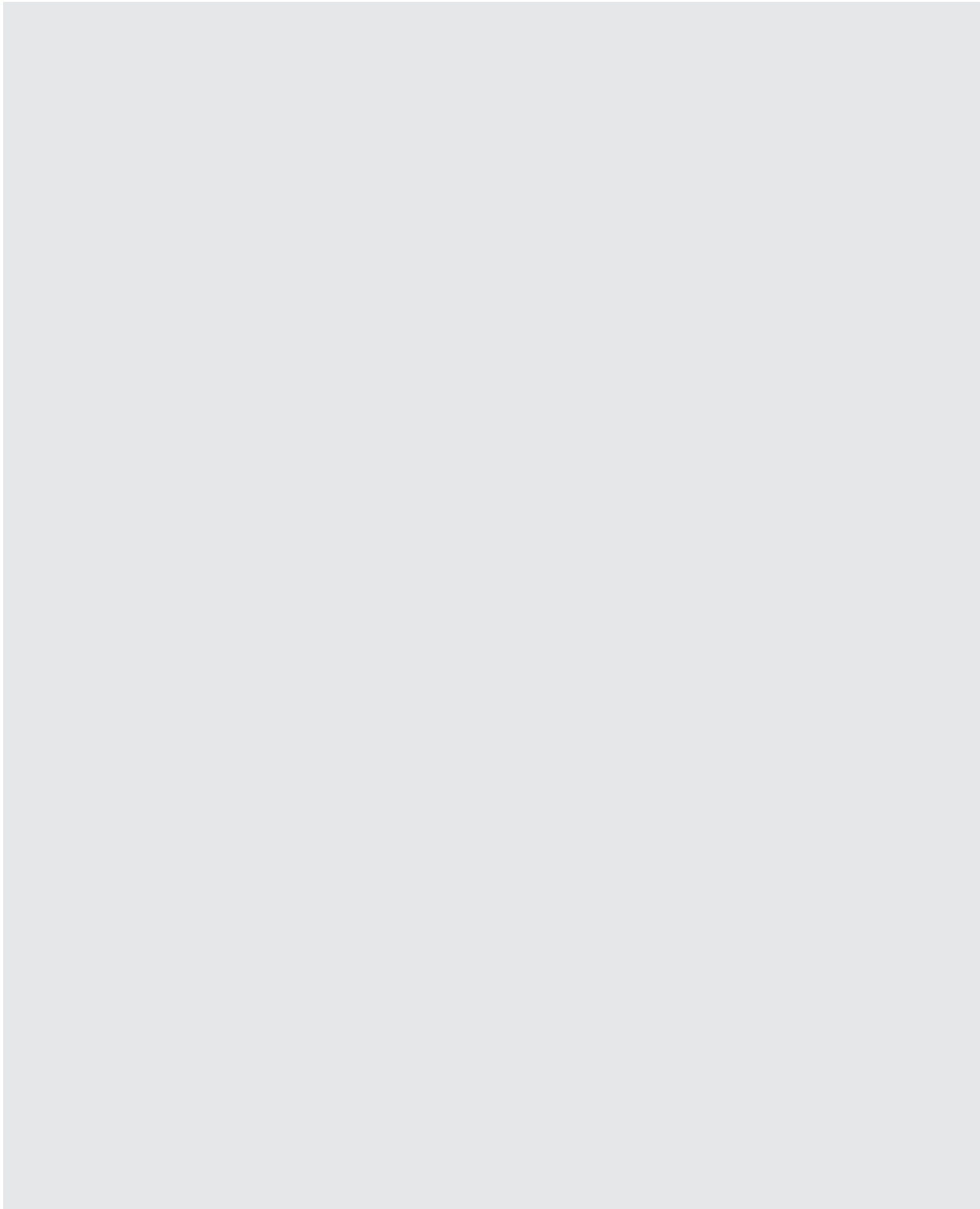




PRODUCT CATALOG 2011-2012

ROSSLARE
SECURITY PRODUCTS



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COMPANY PROFILE

With Rosslare, you receive

ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures and markets high-quality security products through its worldwide offices and channel partners. Since its inception in 1980, Rosslare implements the latest technologies for its corporate, residential, and institutional products and systems. Today our vast products range includes; access control systems and keypads, hardwire and wireless intrusion systems, guard patrol management systems and applications software.

Rosslare takes pride in its international reputation, holding itself to the highest standards of quality and customer service (ISO 9001:2008, ISO 14001:2004). With Rosslare, you receive the best of all worlds; world-class product engineering and design and worldwide professional customer service, while benefiting from the quality and affordability of a self-owned manufacturing facility. Our three main product lines - Access Control, Intrusion Detection and Guard Patrol, together with our ever growing product range have turned Rosslare Security into a one-stop-shop for wide-scale security needs.



CREATE YOUR OWN PEACE OF MIND

Rosslare Security understands its client's need for peace of mind, that's why we focus on providing or restoring that very notion, at home, in the office or in any high security alert environment. It is this customer centric approach, as well as our cutting edge technology, high-quality systems and wide range of products that established Rosslare as a leading security industry player.



best of all worlds

ISO 9001:2008 & ISO 14001:2004

Rosslare Security is proud of its ISO 9001:2008 & ISO 14001:2004 certifications as they represent Rosslare's commitment to maintaining the highest market standards. The ISO 9001 also certifies the company's implementation of international quality standards and requirements that define the principles and good practices of manufacturing operations.

The ISO 14001 certificate is an internationally recognized Environmental Management System Standard that outlines the organizational structure and responsibilities needed for managing a company's environmental objectives. ISO 14001 is a testimony to Rosslare's commitment to environmental protection & preservation and their manifestation. Rosslare Security products are also certified under the authority of TUV Rhineland since 1996, the CE, FCC, UL and other relevant certificates. The company's production complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).



TRAINING & SUPPORT CENTERS

Rosslare provides in-house training services to its international client-base through an excellent team of trainers who bring knowledge and expertise to your front door. We send our trainers to your premises and customize our training seminars for your sales and support experts. Our Technical Support Centers provide technical support and service from Europe Center, Buenos Aires, Dallas, Hong Kong, Shenzhen and Mumbai enabling every dealer and installer the ability to reach our experts any time, anywhere in any one of our offices around the globe.

OEM & PRIVATE LABEL SERVICES

Rosslare provides OEM & Private Label services from design to manufacturing, at all levels, through our high level production and state-of-the-art technologies. We provide services to leading brand names in the security world.

CUSTOMER SATISFACTION

Customer satisfaction is of utmost importance to us, that's why Rosslare products are designed to be user-friendly and intuitive. Dealers and installers know they can expect ease-of-use when buying Rosslare products.



ACCESS CONTROL

5-61

Rosslare offers a versatile collection of access control products and accessories, providing a complete gamut of commercial and industrial security and control solutions.

Our vast range of products include harsh environment and all-weather systems, biometric integrated readers, contemporary and innovative smartcard solutions as well as other state-of-the-art features including convertible and secured readers/controllers, video enabled access control panels as well as other networked and stand-alone readers, controllers and accessories.



INTRUSION

62-101

Rosslare offers a variety of small industrial and home security and automation comfort solutions, featuring simplicity and convenience with easy and intuitive installation and operation. In addition, our scope extends to solutions for assisted living, elderly care and emergency response. Hardwire or Wireless, apartment or mansion, our highly reliable false alarm prevention technology combined in elegantly design, flexible priced and feature-filled alarm systems provide the best solution for your every need.



GUARD PATROL

102-108

Rosslare offers advanced facility and residential guard control, assignment monitoring, and data collection solutions. Rosslare's DigiTool line was developed based on decades of experience provides the best cost-benefit guard control management platform for both the private and public sectors, available in the market to date. The DigiTool line is comprised of a complete range of leading-edge, high-quality and high-performance products, with full management of sites, locations, users, guards, readers, tags, reports, events and groups. The solution also enables supervision of special assignments completion, security staff performance evaluation and report analysis.

ACCESS CONTROL PRODUCT SELECTION GUIDE

Readers	PIN/RFID Proximity	Indoor	Proximity	AY-C11, AY-D11, AY-C12, AY-D12		48
			PIN	AY-C09M, AY-D09M		49
			PIN+Prox	AY-C19M, AY-D19M		49
		Outdoor	Proximity	Multi-color Illumination Reader	AY-R12	31
				Wiegand	AY-K12, AY-J12, AY-H12, AY-M12, AY-L12	33
				Clock & Data	AY-K14, AY-J14	33
				Multi-Format	AY-E20, AY-K20, AY-J20, AY-M20, AY-H20, AY-L20	33-34
		Anti Vandal	Proximity	Wiegand	AY-Q12	35
			PIN	Button	AY-Q54, AY-Q54B	36
				Piezoelectric	AY-S55, AY-T55, AY-T55B	37
			PIN+Prox	Button	AY-Q64, AY-Q64B	36
				Piezoelectric	AY-Q65	37
	Smartcard	Outdoor	Contactless	AY-M25, AY-K25, AY-H25, AY-L25, AY-J25, AY-W6250		38-39
			PIN Contactless	AY-W6350		39
		Anti Vandal	Contactless	AY-Q6250		40
			PIN Contactless	AY-Q6350		40
		Biometric		AY-B1663, AY-B3663, AY-B4663, AY-B1660, AY-B2660, AY-B7661		42-44
		Sector Read		AY-W6360, AY-W6260, AY-Q6360, AY-Q6260		41
		Programmer		MD-08B		45
	Long & Medium range	Proximity		AY-V12, AY-Z12A		46
		PIN+Prox		AY-V64		46
		RF+Remote Controls		AY-L23, SA-26, SA-27,SA-28		47
	Time & Attendance			AY-F66		45
Readers / Controllers	Outdoor	PIN		AYC-F54, AYC-G54, AYC-E55		17-18
		PIN+Prox		AYC-F64, AYC-G64, AYC-E65BG, AYC-E65BW		17-18
	Anti Vandal	PIN	Button	AYC-Q54B		17
		PIN+Prox	Button	AYC-Q64B		17
	Biometric			AYC-W6500		19
Stand Alone Controllers	Indoor	PIN		AC-A41, AC-B31/V, AC-C31/V, AC-D31/V		29-30
		PIN+Prox		AC-A42, AC-B32/V, AC-C32/V, AC-D32/V		29-30
		Single Door, 2 readers controller		AC-015		28
		Double Door, 2 readers controller		AC-020		28
	Outdoor	PIN		AC-F43, AC-G43, AC-E200G, AC-E200S		23-24, 27
		PIN+Prox		AC-F44, AC-G44		23-24
		Piezo		AC-E100G, AC-E100S		27
	AntiVandal	PIN	Button	AC-Q41H, AC-Q41HB, AC-Q41SB		25
			Piezoelectric	AC-S43, AC-T43		26
		PIN+Prox	Button	AC-Q42H, AC-Q42HB, AC-Q42SB		25
			Piezoelectric	AC-Q44		26
	Secured	PIN		AC-S73, AC-T73		20
		PIN+Prox		AC-Q74		20

ACCESS CONTROL PRODUCT SELECTION GUIDE

Networked Controllers	Distributed Access control			EXP-1032, EXP-2024, EXP-2088, EXP-2016 ME-00, ME-01, ME-12, ME-14	9
	Video Integrated			AC-525	12
	Multi-door			AC-215, AC-225, AC-225IP	11
	Compact			AC-115	15
Accessories	Card Programmers			CP-R25, CP-R26, CP-R20U	50
	Communication Interface			MD-W11N/F, MD-W11BP, MD-N32, MD-N33, MD-14, MD-08	51-52
	Intelligent Power Supply			PC-25T/25LT, PS-A25T, PS-C25T/25TU/25LT	21-22
	Power Supply			PC-P16/17/18, PS-C16/17/18, PS-C16U/17U, PS-14, PS-33, PS-30F	53-54
	Audio Alert Units			BL-D40	56
	REX Buttons			EX-01/02	56
	Piezoelectric Buttons			PX-13/23/33, EX-06/07/16/17, EX-04	55,56-57
	Mounting Peripherals			MP-06/16, MP-Z02, MP-K01, MP-J01, MP-C02, MP-G02	58-59
	Cards and Tags	Proximity Cards/Tags		AT-R11/C, AT-T11, AT-R14/C, AT-T14, AT-R261, AT-R271	60-61
		13.56MHz Mifare® Smartcard Contactless Cards		AT-T515, AT-T511, AT-T512, AT-T513	60-61
	OEM Reader Modules			MD-12C, MD-12W	61



ACCESS CONTROL

Rosslare offers a complete range of state-of-the-art solutions meeting nearly any access control challenge. We cover the full gamut of access control products including; networked multi-door controllers, stand-alone door controllers, many readers for various environments and technologies, PC monitoring and configuration programs and a wide range of accessories.

Our anti-vandal systems were developed to deliver reliable, robust and rugged products in a multitude of environments to encounter all waterproof and weather proof demands indoors and out. Featuring the latest technologies and industrial design concepts, we are certain you will find the right solution for your application.



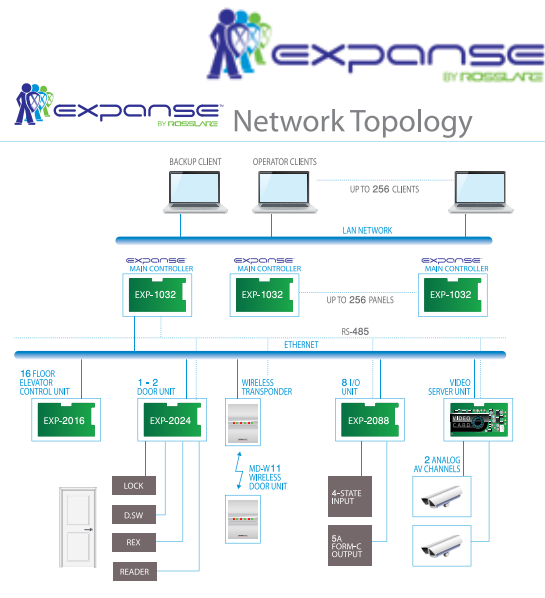
DISTRIBUTED ACCESS CONTROL

ExpansE, Rosslare's new generation access control platform, is a distributed architecture access control panel, designed to provide medium-to-large scale applications with a solution that is both powerful and economical. The main controller is connected to the only using communication technology, and is physically separated from the secondary units that manage the door elements (readers, locks, REX buttons, switches and other I/Os) - which substantially reduces cost per door, cabling and simplifies installation.

ExpansE's built-in Web browser and networking capabilities provide faster and easier setup - no software installation and computer configuration are required. ExpansE's modern system design is based on the most advanced processing, communication, and powering technologies, including: Built-in Web server for native networked and Internet environment, Powerful ARM9 architecture based processor with built-in Linux™/operating system, Power over Ethernet (PoE) as an optional method for powering, P2P Connection between all networked panels, Flash technology based Web user interface and 3-Tier networking.

Major Features

- Distributed Architecture
 - The more doors installed - the lower the price per door
 - Highly scalable - expandable to facilitate extremely large applications
 - Extended reliability
- Web application System Management
- Users capacity: Up to 128,000 users per controller
- Up to 32 nodes per controller
- Up to 32 doors, 64 readers per controller
- Up to 128 Inputs per controller
- Up to 128 outputs per controller
- 100,000 history events per controller
- TCP/IP and/or RS-485 communication between controller and secondary units
- 512 multi-segmented time zones and 128 holidays
- Controller Capacity: Up to 2048 controllers with intercommunication

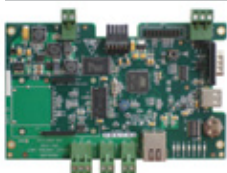


CONTROLLER SPECIFICATIONS	
Processor	ARM9 based Microcontroller
Processor Clock	240MHz
Ethernet	10/100 Base T RJ-45 Ethernet connection IEEE802.3
Operating System	Embedded Linux™
Supported Browsers	IE (version 6.0 and above), Firefox 3.0, Google Chrome, others
SECONDARY UNITS	
EXP-2024, 2-Door Unit	2 Readers, 4 Inputs, 4 Outputs and Sounder connection, RS-485 connection
EXP-2088, 16 I/O Unit	8 Four-State Inputs and 8 Form-C Outputs, RS-485 connection
EXP-2016, 16 Output Unit	16 Form-C relays, RS-485 connection – can be used as elevator control
HOUSING OPTIONS	
ME-00	Tray Cabinet includes the controller and up to additional eight secondary units, in one
ME-01	Self powered metal enclosure for secondary units with 7Ah battery back-up*
ME-12	Self powered plastic enclosure for secondary units with 7Ah battery back-up*
ME-14	Compact plastic enclosure for secondary units with space for 2Ah battery back-up*

*Batteries not included

EXPANSE COMPONENTS

EXP-1032



ExpansE Networked Controller

EXP-2024



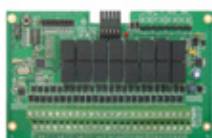
Dual Reader Door Unit

EXP-2088



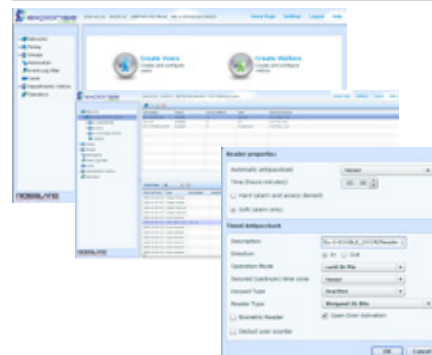
8 I/O Interface

EXP-2016



16 Relay Elevator Control Unit

WEB-BROWSER BASED USER INTERFACE



ExpansE's built-in Web-browser and networking capabilities provide faster and easier setup – software installation and computer configuration are not required. You control all system configuration options and additional services, including real-time monitoring, from any panel and computer on the network.

Specifications	EXP-1032	EXP-2024	EXP-2088	EXP-2016
Operating Voltage	12-16VDC 1.5A	12-16VDC 1A	12-16VDC 0.5A	12-16VDC 1A
Standby current consumption	150 mA	150 mA	100 mA	100 mA
Maximum current consumption	1200 mA	1 A	500 mA	800mA
Operating temperature range	0°C - 49°C (32°F - 120°F)			

EXPANSE HOUSING OPTIONS

ME-00



9 Boards Tray Cabinet Housing

ME-01

Single Board Self Powered
Metal Enclosure

ME-12

Single Board Self Powered
Plastic Enclosure

ME-14

Compact Single Board
Self Powered Enclosure



NETWORKED MULTI-DOOR CONTROLLERS

NETWORKED ACCESS CONTROLLERS

Our feature-rich family of scalable control panels provide easy and fast installation options. The panels come in a range of sizes from single door networks to a maximum of 4092 doors. They combine RS-232, RS-485 and TCP/IP communication links and even PSTN telephony, where network infrastructure is not available. These systems provide vast flexibility to fit a wide range of applications including; extended quantity of access groups with different programmable behavior, full area support for events, grouping options antipassback, and useful control features such as first person delay, interlock and more.

Major Features

- 2 Reader ports
 - Selectable Wiegand 26, 32, 34, 37, 40, Corp. 1000, Clock & Data, and other formats
 - Single door (In / Out) and Dual door (In / In) modes
 - Reader ports include tamper input and LED control output
 - Keypad transmission formats: 6-bit, 8-bit burst
 - Unlocked, normal and secure programmable / scheduled modes
- 5,000 to 30,000 card holders capacity
 - AC-215: additional 20,000 time & attendance only users
- 4 Programmable site codes
- Event history size of 5,000 to 20,000 events
- 32 Multiple-segment time zones and 64 holidays
- 30,000 Access groups
- Networking: up to 1023 panels (4092 doors using MD-D02)
 - 32 Panels on each sub-network, up to 1023 sub-networks
 - PSTN telephony for remote monitoring
 - On-board RS-232/485 and TCP/IP (AC-225IP only) for networking and remote PC connection
- Built-in sounder and speaker for chime, door bell and alarm event notifications
- Local and global antipassback, with 'forgive' option, flexible area structure base
- Special programmable access control features
 - Automatic interlock control of two doors
 - Automatic relock
 - First person delay after relock
 - Extended door unlock time for privileged users
- 4 to 8 programmable outputs
 - 5A Form-C relays, N.O and N.C, 4 expandable outputs for AC-225 (optional)
 - Dedicated (Lock, Alarm), event-driven and scheduled (by time zones) operation
 - Fully programmable output operation per selected events and other conditionings
 - Implementation of elevator control, integration to alarm systems and other applications
- 4 to 12 programmable inputs
 - Hi-impedance, active low 5VDC inputs, 8 expandable inputs for AC-225 (optional)
 - Supervised, dual-resistor, 4 state end-of-line inputs
 - Dedicated (REX, Door monitor), event triggering and scheduled filtering operation
- Locked metal cabinet with integrated power supply / charger unit
 - Power, battery, and failure external LED indicators
 - Space for 7Ah lead-acid backup battery (battery not included)



AC-215

Scalable Networked
Access Controller



- 5,000 users
- Single/dual door

AC-225

Advanced Scalable Networked
Access Controller



- 30,000 users
- Single/dual door
- Expandable to 4 doors
- Networked up to 1023 panels

AC-225IP

Advanced Networked Access
Controller with onboard TCP/IP module

AC-215 PCBA**AC-225 PCBA / AC-225IP PCBA****Networked Controllers - Feature Comparison**

Specifications	AC-215	AC-225	AC-525
Power supply voltage**	220V AC	220V AC	220V AC
Standby current consumption	125mA (basic unit)	325mA (basic unit)	550mA
Maximum current consumption	325mA (basic unit)	325mA (basic unit)	2.2A
Relay Outputs	4 x Form-C, 5A	4 x Form-C, 5A (Max. 8, fully programmable*)	4 x Form-C, 5A (Max. 8, fully programmable*)
Inputs	4 Hi-impedance	4 (Max. 8/12, fully programmable*)	4 (Max. 8/12, fully programmable*)
Dimensions H x W x D	326 x 263 x 97 mm 12.8 x 10.4 x 3.82 inch	326 x 263 x 97 mm 12.8 x 10.4 x 3.82 inch	360 x 342 x 84.5 mm 14.2 x 13.5 x 3.4 inch
Weight	2.4 Kg (5.3 lbs)	2.8 Kg (6.2 lbs)	4.5 Kg (9.92 lbs)
Operating temperature range	0° - 63°C (32° - 145°F)	0° - 63°C (32° - 145°F)	0° - 49°C (32° - 120.2°F)

* With MD-IO84 or MD-D02

** Available models with 110VAC transformer or without transformer

Networked Controllers - Capacity Comparison

Features	AC-215	AC-225	AC-525Cardholder
capacity	5,000 + 20,000 T&A only	30,000	30,000
Event log size	5,000	20,000	20,000
Reader ports	2 x Wiegand / C&D / others	2 x Wiegand / C&D (Max. 4**)	2 x Wiegand / C&D (Max. 4**)
Connectivity	RS-232/485	TCP/IP, RS-232/485	TCP/IP, RS-485
Time zone & holidays	32 / 64	32 / 64	32 / 64
Networking segment / max.	32 / 1023	32 / 1023	32 / 1023

** Using MD-D02



VIDEO ENABLED NETWORKED ACCESS CONTROL PANELS

Rosslare developed a multi-door Networked Access Controller coupled with Edge DVR technology and a digital Video server. The panel supports two analog/digital camera inputs and two voice channels. The system streams audio & video in ISO standard Compliant MPEG-4 (SP) in complete synchronization with real-time access control data.

The smoothly integrated panel has a built in embedded Linux OS with web server, enabling advanced network communication options.

Major Features

- Compact yet fully featured, fully integrated access controller with digital multimedia, for cost-effective installations and data-mining
- Connects to a wide range of analog cameras for better selection and lower cost than IP cameras
- Advanced and robust ISO Standard MPEG-4 video and audio encoding and streaming over TCP/IP
- On board Edge DVR local video recording
- Embedded Linux OS based web server provides a comprehensive set of network protocols and a programmable web browser interface
- Platform is capable of future addition of VMD, Smart Alarm Area Mask, License Plate recognition, POS Overlay, and more
- On-Board pre-alarm and post alarm recording, event timers and custom recording preferences
- On-board USB 2.0 port allows high capacity local recording using USB 2.0 compliant storage devices of up to 8GB
- Option for video to be recorded by any remote NVR that supports standard MPEG-4
- 2 Channel PTZ Support for PELCO® D protocol

AC-525

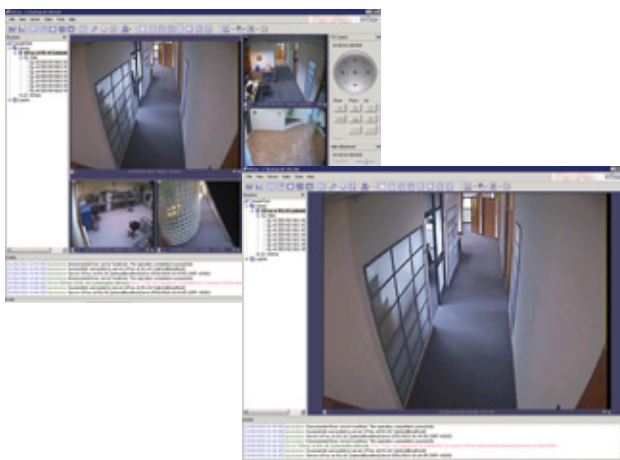


Visual Access Controller Unit (VACU)-Dual Channel PTZ

AS-525AV



Visual Access Controller management software



- Full video & audio management for AC-525 and third party servers
- Scheduled Recording & backup Management
- Multiple Video Viewport screens arrangeable as desired
- Full event integration (Inputs, Alarms and other system events) with AS-525 decision making engine
- Multi-lingual support, detailed authorization management, Alarm & Event Handling and more

■ NETWORKED ACCESSORIES

MD-IO84 and MD-D02 are optional I/O expansion boards for use with Rosslare Security's family of state-of-the-art networked access controllers to enhance their capacity.

The MD-IO84 adds additional four relay outputs and eight supervised inputs to the access control panel.

The MD-D02 adds additional two Reader or keypad inputs; four relay outputs and four supervised inputs to the access control panel.

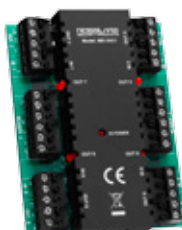
MD-D02



2 Reader Expansion

- 2 Multi-format reader ports
- 4 Supervised, 4-state, dual EOL inputs
- 4 Fully programmable, 5 Amp Form-C relay outputs
- Optional expansion for AC-225, AC-525

MD-IO84



IO Expansion Card (PCB)

- 8 Supervised, 4-state, dual EOL inputs
- 4 Fully programmable, 5 Amp Form-C relay outputs
- Optional expansion for AC-225, AC-525



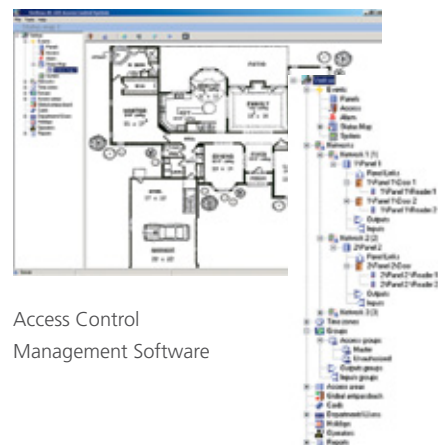
■ NETWORKED ACCESS CONTROL SOFTWARE

Rosslare's PC software products, are essential for most applications, as they provide mandatory components such as multi-client architecture, mirror databases, MS SQL support, a flexible user-defined report generator and more. The software range also feature event monitoring screens, programmable event handling, hierarchical equipment mapping and configuration, graphical maps with living objects, programmable authorization levels and many others, all through a convenient, user friendly interface.

Major Features

- Hierarchical system structure and configuration
- Monitoring screens for separate event types with filtering options
 - Programmable full event handling for any event type
 - Programmable event display color options
 - Pop-up user details and picture window per defined events
- Access groups editor with easy selection of readers and time zones annexation
- Output and input groups for advanced IO logic support
- Telephony communication is available using external MD-N33 PSTN adapter (AC-215, AC-225)
- TCP/IP communication for AC-215 is available using MD-N32 Ethernet adaptor
- Global antipassback rule editor
- Holiday synchronization to Outlook
- Credential inventory, user and department editors and enrolling tools
- Immediate and archive user-defined report generator with export options for Excel, Access, HTML and ASCII formats, custom report design
- 3rd party database importing and adaptation tools for easy integration
 - Quick translation tools for additional languages
- Automatic operator-defined language
- Time and Attendance software module for detailed employee attendance management
- Card printing and Photo ID template generation software module
- Single-button firmware update to the controllers
- SDK available for 3rd party software integration
- Available MD-14, RS-485 to RS-232 converter

AS-525



Access Control
Management Software

■ COMPACT NETWORKED ACCESS CONTROLLERS

AC-115 is a compact, quick-to-install, 8 door networked controller, featuring all the crucial access control requirements including two reader ports, REX and door monitor inputs, a large event log and user capacity, a built-in sounder and power supply for readers, locks and battery charger and even a local user interface. It also comes with a LED based keypad for all configuration options as well as an easy to use PC software for event monitoring, system configuration and database handling.

Major Features

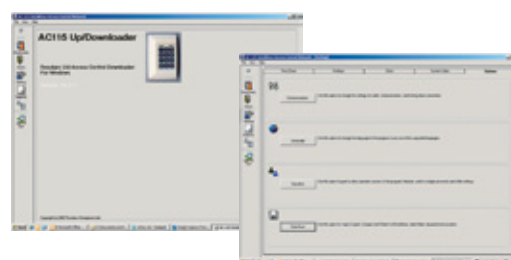
- Two Wiegand 26-Bit Readers (IN/OUT)
- Programmable unlock, normal and secure modes
- 2400 cardholders capacity
- Event history size of 2000 events
- 8 programmable time zones and 24 holidays
- Networking: up to 8 panels (8 doors) over RS-485 network
- Built-in sounder and speaker for chime, door bell and alarm event notifications
- 2 Outputs: 5A lock relay, 1A auxiliary
- 2 Inputs: REX button and door monitor switch
- Multi-lingual, easy to use PC software
 - Full programming, enrollment and setup
 - Database management and maintenance
 - Advanced reporting options: time & attendance, access, users and system reports



AC-115 Compact Networked Access Controller

Specifications	AC-115
Power supply voltage	16.5VAC
Power supply standby current	65mA
Power supply maximum current	120mA
Relays	Lock: Form-C 5A, Aux: 1A
Inputs	2 Dry contact
Dimensions H x W x D	134 x 85 x 30mm 5.3 x 3.4 x 1.2 inch
Weight	220g (0.485 lbs)
Operating temperature range	0° - 63°C (32° - 145°F)
Cardholder capacity	2,400
Event log size	2,000
Reader ports	2 x Wiegand 26 bit
Connectivity	RS-485
Time zone & holidays	8 / 24
Networking segment / max.	8 / 8

AS-115



Compact Access Control Management Software

- Light Management SW for AC-115 Networked Controllers
- Supports set-up, monitoring, and data base management options
- Easy-to-use, user-friendly Time & Attendance application with extensive reporting capabilities



CONVERTIBLE AND SECURED READERS / CONTROLLERS

This product line is comprised of two product families with dedicated intelligent power supplies which convert them from readers to 500 user standalone controllers. Security is their main attribute with the Auxiliary and Lock strike control separated from the main units. A variety of options enable flexible integration while maintaining high security.

■ CONVERTIBLE READERS/CONTROLLERS

This family of products can function either as Readers or as 500-user Secured controllers. When wired to an intelligent power supply (PS-x25T) these products turn into stand alone secured controllers automatically. When connected to a controller (such as AC-215 or AC-115, etc) they function as readers with varied characteristics.

This family is comprised of a vast range of products such as Anti Vandal, Outdoor, Keypad & Proximity, Keypad Only, Smart Backlit, fully potted and sealed, and many more integrated features

Major Features

General features

- Fully-potted, suitable for outdoor use
- Built-In 125 KHz ASK EM Proximity card reader (some models)
- Highly-Sensitive optical back and case tamper protection
- Internal buzzer provides audible interface feedback
- Two Status / Programming Interface LED's
- Lockout feature on wrong code entries
- Unique, patented backlit piezoelectric keys (some models)

Controller features

- 500 users with Dual PIN / PIN & Proximity
- Bi-directional secure communication with Rosslares' intelligent secure power supplies
- Easy user management with Code Search feature
- Three user levels (Normal, Secure and Master), three operation modes
- Request-to-Exit (REX) from intelligent secure power supplies
- Chime, Bell and Siren features are available with intelligent secure power supplies
- Programmable Lock Strike Release, Siren, and Alarm Delay timers
- Programmable Auxiliary input and output with versatile functions
- Programmable PIN code length, 4-8 digits

Reader features

- 8 Programmable keypad transmission formats
- Programmable Card Transmission Formats: Clock & Data and 26-Bit Wiegand
- LED control input
- Programmable facility code



ANTI-VANDAL PIN/PROX READERS/CONTROLLERS

General features

- Programmable Patented Blue Backlit keypad

AYC-Q64B



Convertible Anti-Vandal Backlit 3x4 PIN & Prox Reader / Controller

AYC-Q54B



Convertible Anti-Vandal Backlit 3x4 PIN Reader / Controller

OUTDOOR PIN/PROX READERS/CONTROLLERS

General features

- Programmable red backlit keypad
- Interface LEDs (tri-colored)

AYC-F64



Convertible 3x4 Backlit PIN & Prox Reader / Controller

AYC-F54



Convertible 3x4 Backlit PIN Reader / Controller

AYC-G64



Convertible 2x6 Backlit PIN & Prox Reader / Controller

AYC-G54



Convertible 2x6 Backlit PIN Reader / Controller



ULTRA-SLIM PIEZOELECTRIC PIN / PIN & PROX READERS / CONTROLLERS

General features

- Ultra-Slim flush-mount design
- Built-in piezoelectric keypad for PIN code entry
- Programmable Patented Blue backlit keypad (AYC-E65B)

AYC-E55



Convertible 2x6 Ultra-Slim
PIN Reader / Controller

AYC-E65BW, AYC-65BG



Convertible 2x6 Ultra-Slim Backlit
PIN & Prox Reader / Controller



Specifications	AYC-E55	AYC-E65B	AYC-F54	AYC-F64	AYC-G54	AYC-G64	AYC-Q54B	AYC-Q64B
Operating voltage range	5-16 VDC (in Reader mode, from controller)							
Input current: standby (12VDC)	15mA	92mA	75mA	105mA	75mA	105mA	65mA	90mA
Input current: max (16VDC)	40mA	105mA	110mA	140mA	110mA	140 mA	110mA	130mA
Max proximity card read range*	N/A	40 mm (1.575")	N/A	80 mm (3.15")	N/A	80 mm (3.15")	N/A	45 mm (1.77")
Operating temp. range	-30 to 65° C (-22 to 150° F)							
Operating humidity	0-95% (non-condensing)							
Outdoor usage	Waterproof, meets IP68		Waterproof, meets IP65					
Dimensions H x W x D	155x44x6.5 mm 6.1x1.7x0.26"	155x44x9 mm 6.1x1.7x0.35"	120x76x21 mm 4.72x2.99x0.83"		137x44x21mm 5.39x1.73x0.83"		120x76x21mm 4.72x3x0.83"	
Weight	120g (0.265 lbs)	143g (0.315 lbs)	215g (0.475 lbs)		160g (0.353 lbs)		480g (1.06 lbs)	

*Measured using Rosslare proximity card (AT-14) or equivalent. Range also depends on the electrical environment and proximity to metal

BIOMETRIC PIN & PROX READERS / CONTROLLERS AND SOFTWARE

General features

- 500 users, 2 template per user fingerprint, pin and card
- Built-in Fingerprint Capacitive Multi-angle Sensor
- 1:1 fingerprint verification in less than 1 second verification time
- BioTrax™ PC software for complete fingerprint management and fast configuration over the network
- Programmable Keypad backlight options
- Two tri-colored LED indicators

Controller

- Two user levels and operation modes: Normal and Secure

Reader

- Two modes of operation: Normal and Secure

Software Overview

BioTrax™ is a PC software for the AYC-W6500 biometric fingerprint Reader/Controller. BioTrax™ can be used to enroll a user's fingerprints, add cards and users, and allows the user to upload and download data between the unit and the PC. BioTrax™ communicates with the unit through the serial port.

AYC-W6500



Fingerprint, Backlit PIN & Prox Convertible Reader / Controller

Specifications	AYC-W6500
Operating voltage range	10 - 16VDC (Reader mode, from controller)
Input current: standby (12VDC)	140mA
Input current: max (16VDC)	330mA
Max proximity card read range*	7.5 cm (3")
Sensor ESD Rating	±15KV (Fingerprint Sensor)
Operating temp. range	-5°C+60°C (23°F - 140°F)
Operating humidity	10% - 90% RH (Non-Condensing)
Outdoor usage	Weather-resistant, meets IP65
Dimensions H x W x D	131x125x35 mm (5.16 x 4.92 x 1.38 inch)
Weight	270g (9.5 oz.)

*Measured using Rosslare proximity card (AT-14) or equivalent. Range also depends on the electrical environment and proximity to metal

AS-W6500



BioTrax™ Biometric Fingerprint Enrollment Software



■ SECURE STAND-ALONE CONTROLLERS

Major Features

- 500 users with Dual PIN / PIN & Proximity card each
- Bi-directional secure communication with Rosslares' intelligent secure power supplies
- Built-In 125 KHz ASK EM Proximity card reader (some models)
- Internal buzzer provides audible interface feedback
- Two Status / Programming Interface LED's
- Three user levels (Normal, Secure and Master), three operation modes
- Highly-Sensitive optical back and case tamper protection
- Easy user management with Code Search feature
- Lockout feature on wrong entries (Keypad / Card Tamper)
- Request-to-Exit (REX) input from intelligent secure power supplies
- Chime Bell and Siren Sounder are available with intelligent secure power supplies
- Programmable Lock Strike Release, Siren, and Alarm duration timers
- Programmable Auxiliary input and output with versatile functions
- Programmable PIN code length, 4-8 digits
- Built-in piezoelectric keypad for PIN code entry

AC-S73



Secured Mullion PIN Standalone Controller

AC-T73



Secured PIN Standalone Controller

AC-Q74



Secures PIN & Prox Standalone Controller

Specifications	AC-S73	AC-T73	AC-Q74
Input current: standby (12VDC)	15mA		40mA
Input current: max (16VDC)	92mA		130mA
Max proximity card read range*	N/A	N/A	65mm (2.5 inch)
Operating temp. range	-32°C to 63°C (-25°F to 145°F)		
Operating humidity	0 - 95% (non-condensing)		
Outdoor usage	Weather-resistant, meets IP65		
Keypad Structure	2x6 Mullion keypad	3x4 keypad	3x4 keypad
Dimensions H x W x D	150 x 42 x 27 mm 5.91 x 1.65 x 1 inch	150 x 42 x 27 mm 5.91 x 1.65 x 1 inch	120 x 76 x 27 mm 4.72 x 3 x 1 inch
Weight	400g (0.8 lbs)	400g (0.8 lbs)	410g (0.9 lbs)

*Measured using Rosslare proximity card (AT-14) or equivalent. Range also depends on the electrical environment and proximity to metal

■ INTELLIGENT POWER SUPPLIES

This family of intelligent power supplies is compatible with both Rosslare's secure controller family and Rosslare's convertible reader/controller series, which transforms the unit into a 500-user stand-alone secured controller.

Major Features

- Two power supplies in one for both the controller unit and door strike
- Door bell feature (from '*' key) when used with Rosslare's secure controller and Convertible readers/controllers families
- Secure operation using digital communication to the keypad, prevents wire tampering attempts
- Mounted speaker module for door bell chime and alerts (some models)
- Tamper monitoring for connected keypad
- Space for backup battery (some models)



PC-25T



Secured power supply unit - PCB Module,
16 VDC Input

PC-25LT



Secured power supply unit - PCB Module,
18 to 33 VDC Input

PS-A25T



Intelligent Secured Power Supply
Type A Box



PS-C25T / PS-C25TU / PS-C25LT



Intelligent Dual-Relay Secured Power Supply Type C Box (PS-C25T),
US Version (PS-C25TU), C Box without transformer (PS-C25LT)

Specifications	PS-A25T	PS-C25T	PS-C25TU	PS-C25LT
Input	230VAC 50Hz, 0.14A		16VAC, 25VA	24VAC 50Hz
Internal transformer	230/16VAC, 25VA		N/A	N/A
ACU output	12VDC, 1.2A continuous supply. (current limit)			
Lock output	5A, SPDT relay, Max Switched current: 5A, Max Switched voltage: 150VDC or 300VAC 5A at 30VDC or at 125VAC			
Auxiliary Output	Yes		No (8 Ohm, 0.25W minimum output)	
Speaker	up to 7AH Maximum charge current 1.2A			
Battery Backup	DC output LED indicator on PCB			
Visual indicators	Short circuit and thermal overload protection, Includes battery leads			
Additional features Communications	Rosslare proprietary protocol			
Operating Temperature	-10oC to 50oC (14oF to 122oF)			
Operating Humidity	0 to 95% (Non-Condensing)			
Dimensions H x W x D	182 x 80 x 68 mm 7.2 x 3.1 x 2.7 inch	225 x 230 x 76 mm 8.85 x 9.05 x 3 inch		
Weight	1.24kg (2.73 lbs)	2.44kg (5.38 lbs)	1.5kg (3.3 lbs)	

STAND-ALONE CONTROLLERS

Rosslare's Controllers are made of high quality materials using innovative manufacturing procedures to ensure enhanced reliability and long term duration. All controllers come with a 500-user capacity and selectable PIN code length of 4, 5, 6 or 4-8 digits. Most are fully potted and sealed, protecting the components for a longer duration period in harsh weather environments.

Rosslare is a market leader in anti-vandal access control technology. We provide exclusive patented solutions such as backlight Metal and Piezo keypads, and RFID antenna on a metal casing ensuring the preservation of a good read range.

We offer a wide selections of models, designs and technologies including; Anti-vandal, outdoor, indoor, Plastic, Metal, Piezo, PIN, Prox or a combination of, for any application in any location.

OUTDOOR BACKLIT PIN / PROXIMITY CONTROLLERS

These advanced 500-user standalone controllers feature a programmable red backlit rubber keypad. The controllers also come with a built-in 125 KHz EM proximity card reader in selected models and sturdy casing suitable for outdoor use. Bell, chime, siren and strobe sound features are also available with the BL-D40 accessory.

Major Features

- 500 dual-code users
- 2 x 3Amp Relays
- 2 Inputs with user programmable logic
- 2 Tri-Colored LED indicators
- Three user levels and Three modes of operation
- Optical case and back tamper protection
- Fully potted, meets IP65
- Lockout feature on wrong entries (Keypad / Card Tamper)
- Bell, chime, siren and strobe features available with BL-D40



AC-F43



Outdoor Backlit PIN
Standalone Controller

AC-F44



Outdoor Backlit PIN & Proximity
Standalone Controller



**AC-G43**

Outdoor Mullion Backlit PIN
Standalone Controller

AC-G44

Outdoor Mullion Backlit PIN & Proximity
Standalone Controller



Specifications	AC-F43	AC-F44	AC-G43	AC-G44
Input Voltage VDC	12-24 V DC	12-24 V DC		
	VAC	16-24 V AC		
Max. Input Current (12VDC)	125mA	160mA	125mA	160mA
Standby Input Current (12VDC)	75mA	95mA	75mA	95mA
Max. read range*	N/A	75 mm (2.95")	N/A	80 mm (3.15")
Operating Temperatures	-32°C to 63°C (-25° F to 145°F)			
Operating humidity	0 to 95% (Non-Condensing)			
Outdoor usage	Weather-resistant, meets IP65			
Size H x W x D	120.9 x 71.1 x 29.7 mm (4.72 x 2.80 x 1.17 inch)		135.4 x 74.2 x 28.5 mm (5.33 x 1.74 x 1.12 inch)	
Weight	244g (0.54 lbs)		178g (0.39 lbs)	

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

■ ANTI-VANDAL PIN / PROXIMITY CONTROLLERS

These advanced 500-user standalone controllers feature a rugged metal casing ideal for installation in heavy traffic environments. With or without a built-in 125 KHz EM proximity card reader, these models are designed to withstand the rigors of the outdoor environment. They include a built-in keypad heater to prevent key freeze, and advanced programming options. Bell, chime, siren and strobe features are available with the BL-D40 accessory.

Major Features

- 500 dual-code users
- 2 x 2Amp Relays
- Three user levels and Three operation modes
- Selectable PIN code length: 4-8 digits
- Auxiliary input and auxiliary output
- Input for Request to Exit (REX) button
- Two tri-colored LED indicators
- Fully potted, meets IP65
- Optical case and back tamper protection
- Lockout feature on wrong entries (Keypad / Card Tamper)
- Bell, chime, siren and strobe features available with BL-D40
- Programmable keypad backlit options (some models)



METAL BUTTON PIN / PROXIMITY CONTROLLERS

- Programmable Blue backlit keypad (selected models)

AC-Q41H



Anti-Vandal PIN Standalone Controller

- Terminal block interface for wiring

AC-Q41HB



Anti-Vandal Backlit PIN

- Standalone Controller
- Terminal block interface for wiring

AC-Q41SB



Anti-Vandal Slim Backlit PIN Standalone Controller

- Pre-wired, 10-conductor 24AWG cable

AC-Q42H



Anti-Vandal PIN & Proximity Standalone Controller

- Terminal block interface for wiring

AC-Q42HB



Anti-Vandal Backlit PIN & Proximity Standalone Controller

- Terminal block interface for wiring

AC-Q42SB



Anti-Vandal Slim Backlit PIN & Proximity Standalone Controller

- Pre-wired, 10-conductor 24AWG cable

ACCESS CONTROL



Specifications	AC-Q41H	AC-Q41HB	AC-Q42H	AC-Q42HB	AC-Q41SB	AC-Q42SB
Input Voltage VDC	12-24 V DC	12-24 V DC				
	VAC	12-24 V DC		16-24 VAC		12-24 VAC
Max. Input Current (12VDC)*	100mA	130mA	125mA	145mA	130mA	145mA
Standby Input Current (12VDC)*	40mA	70mA	65mA	85mA	70mA	85mA
Max. read range**	N/A		65 mm (2.5")		N/A	65mm (2.5")
Max Relay Current	2A					
Operating Temperatures	-20°C to +60°C (-4°F to +140°F)					
Outdoor usage	Weather-resistant, meets IP-54				Weather-resistant, meets IP65	
Dimensions H x W x D	120 x 76 x 27 mm 4.72 x 2.80 x 1.17 inch				120 x 76 x 22 mm 4.72 x 3 x 0.85 inch	
Weight	440g (0.97 lbs)				521g (1.18 lbs)	

* With heater ON, the current consumption increases by 480mA.

**Measured using Rosslareis AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

ANTI-VANDAL PIEZOELECTRIC PIN / PROXIMITY CONTROLLERS

- High sensitivity piezoelectric keypad

AC-S43



Anti-Vandal Mullion
Piezoelectric PIN
Standalone Controller

AC-T43



Anti-Vandal
Piezoelectric PIN
Standalone Controller

AC-Q44



Anti-Vandal Standalone
Piezoelectric PIN & PROX
Standalone Controller



Specifications	AC-T43	AC-S43	AC-Q44
Input Voltage VDC	V DC	12-24 V DC	
	VAC	16-24 V AC	
Max. Input Current (12VDC)	75mA	80mA	125mA
Standby Input Current (12VDC)	15mA	33mA	65mA
Max. relay Current	5A		2A
Max.read range*	N/A		65mm (2.5 inch)
Operating Temperatures	-32° to 63°C (-25° to +145°F)		
Operating humidity	0 to 95% (Non-Condensing)		
Outdoor usage	Weather-resistant, meets IP65		
Dimensions H x W x D	120 x 65 x 28 mm 4.7 x 2.6 x 1.1 inch	150 x 42 x 28 mm 5.9 x 1.65 x 1.1 inch	120 x 76 x 22 mm 4.72 x 3 x 0.85 inch
Weight	400g (0.88 lbs)	400g (0.88 lbs)	521g (1.18 lbs)

*Measured using Rosslare s AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

AC-E100G / AC-E100S

Standalone Flush-mount Piezoelectric PIN Controller

AC-E200G / AC-E200S

Standalone Flush-mount PIN Controller

Specifications	AC-E100G / AC-E100S / AC-E200G / AC-E200S
Operating Voltage Range	12 to 24VDC, from a regulated power supply 12 to 24VAC, from a transformer
Input Current	Standby: 74mA, at 12VDC Maximum: 170mA, at 12VDC
Relay Outputs	Lock Strike: 3A, Form-C relay, COM, N.O. and N.C. Auxiliary: 3A, Form-C relay, COM, N.O. and N.C. MF Key: Open collector output, using the "+" button as a multi purpose switch
Tamper	Optical back tamper sensor, O.C. active low 32mA max sink current
Inputs	REX: N.O. Dry Contact Auxiliary (In/Monitor): N.O. Dry Contact. 10 Programmable modes
Capacity	500 Users, single / dual code each
Keypad	3x4 Keys for local programming and 4 to 8 digit PIN codes entry
User Levels	Normal, Secure and Master users
Security Modes	Normal, Bypass and Secure modes
Audio/Visual	Interface for BL-D40 (bell, chime and siren enunciator) Two tri-color LED indicators, Built-in sounder
Operating Environment	Water resistant, suitable for outdoor use
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	0 to 95% (non-condensing)
Dimensions (H x W x D)	210 mm x 120 mm x 60 mm (8.26 x 4.72 x 2.36 inch)
Weight	760g (1.67 lbs)



INDOOR PIN / PROXIMITY CONTROLLERS

INDOOR 2 READER CONTROLLERS

Simple to install and operate, these units are reliable and cost effective with various options allowing for a solution for any and every indoor installation needs and wants.

Major Features

- 00 users
- Three modes of operation: Normal; Bypass; Secure
- Supports two 26-Bit Wiegand compatible readers
- 2 Tri-Colored LED
- Built-in Bell, Chime and Siren sounder
- Case tamper
- Built-in battery charger
- Input for Request to Exit (REX) button

AC-020



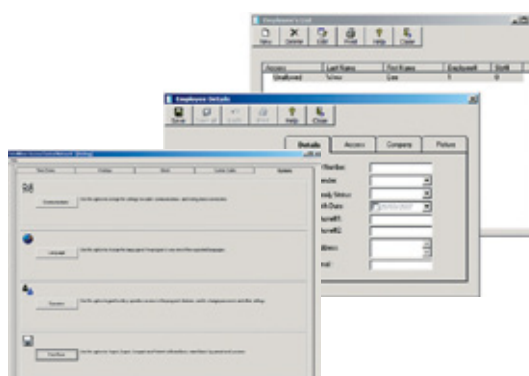
- Dual Door Standalone Controller
- Dual Door Controller (IN / IN)
 - 2 x 5A Relays

AC-015



- Single Door 2 Reader Controller
- Single Door controller (IN / OUT)
 - 5A Lock relay
 - 1A Aux relay output

AS-015



Multi-Lingual PC Software

- PC Software to manage user details, reports and event monitoring

Specifications	AC-015	AC-020
Operating Voltage (From a transformer)	16V AC (1.5A, 25VA)	
Current: (No attached devices)	Standby: 65mA Maximum: 120mA	
Battery Charger	12V DC Lead Acid Battery Up to 7AH recommended	
Lock Strike Power Relay	12V DC constant voltage (1.2 A current limit)	2 x 12V DC N.O. outputs
Tamper Relay Output	1A Relay N.C. Dry Contact	N/A
Reader Power Supply	Voltage: 12V DC Max Current: 300mA	
Release to Exit (REX)	N.O. Dry Contact	2 x N.O. Dry Contact
Operating Temperature	0°C to 63°C (32°F to 145°F)	
Operating Humidity	0 to 95% (Non-Condensing)	
Dimensions H x W x D	134 x 85 x 30 mm (5.3 x 3.4 x 1.2 inch)	
Weight	220g (0.5 lbs)	

INDOOR PIN / PROXIMITY CONTROLLERS

Major Features

- 125 KHz, ASK type RFID Proximity, 26Bit Wiegand (selected models)
- Three user levels and Three operation modes
- Two Tri-Colored LED and buzzer indicators
- Bell, chime, siren and strobe features available with BL-D40
- Case tamper
- Input for Request to Exit (REX) button
- 3.5A Lock relay

AC-B31/V



Indoor PIN Standalone Controller

AC-D32/V



Indoor PIN & Prox Standalone Controller

AC-D31/V



Indoor PIN Standalone Controller

AC-B32/V



Indoor PIN & Prox Standalone Controller

ACCESS CONTROL



AC-C31/V



Indoor Mullion PIN
Standalone Controller

AC-C32/V



Indoor Mullion PIN & Prox
Standalone Controller



AC-A41



Indoor PIN Standalone Controller

- Door monitor input
- Auxiliary 1A relay
- Door Input

AC-A42



Indoor PIN & Prox Standalone Controller

- Door monitor input
- Auxiliary 1A relay
- Door Input



Specifications	AC-A41	AC-A42	AC-B31/V	AC-B32/V	AC-C31/V	AC-C32/V	AC-D31/V	AC-D32/V
Input Voltage	12-24 VDC/VAC							
Max. Input Current (12VDC)	80mA	100mA	75mA	90mA	75mA	90mA	75mA	90mA
Standby Input Current (12VDC)	20mA	40mA	20mA	40mA	20mA	40mA	20mA	40mA
Max. read range*	NA	90 mm (3.5")	NA	90 mm (3.5")	NA	70 mm (2.75")	NA	90 mm (3.5")
Operating Temperatures	0°C to 63°C (32°F to 145°F)							
Dimensions H x W x D	122 x 75 x 24 mm 4.8 x 2.95 x 0.94 inch		92 x 92 x 24 mm 3.5 x 3.5 x 0.94 inch		130 x 42 x 18 mm 5.12 x 1.65 x 0.7 inch		122 x 75 x 4 mm 4.8 x 2.95 x 0.94 inch	
Weight	130g (4.59 oz.)				70g (2.47 oz.)		130g (4.59 oz.)	

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

READERS

Rosslare's Readers are made of high quality materials utilizing innovative manufacturing procedures. The end result is a range of high quality products, with enhanced reliability for long term duration. Build to meet the demands of industry standard wiegand 26-bit and other outputs, most feature multi-format outputs and are fully potted and sealed. They have been designed to protect the components for longer life operation as well as withstanding harsh weather environments.

Rosslare is a market leader in anti-vandal access control technology, with exclusive patented solutions such as backlight for Metal and Piezo keypads, and RFID antenna on metal casing while preserving a good read range. Rosslare is also one of the industry's pioneers in the development of Mifare® readers including both Read and Read/Write readers.

A wide selections of models, designs and technologies including, Anti-vandal, outdoor, indoor, Plastic, Metal, Piezo, PIN, Prox or combination of, and Mifare®, provide a solution for any application in any location.

MULTI-COLOR ILLUMINATION READERS

Rosslare's RGB Illuminated reader presents a new concept in the security market whereby readers display ambiance modes, preconfigured by the organization. The reader is wired to the controller, and can be configured by any panel to display different colors based on specified events via control inputs that connect to the host relay outputs. This most advanced reader adds a dramatic effect to any style-conscious environment.

Major Features

- 125kHz EM Proximity card reader
- 26-bit Wiegand output format
- 16 possible color schemes selectable by 4 wired inputs
- Optical Back Tamper

Specifications	AY-R12
Input Voltage	12-16 VDC
Maximum Input Current	150mA
Standby Input Current	100mA
Max. read range*	80 mm (3.15")
Operating Temperatures	-31°C to 63°C (-23.8°F to 145.4°F)
Operating humidity	0 to 95% (Non-Condensing)
Dimensions H x W x D	120 x 89 x 21 mm 4.72 x 3.50 x 0.83 inch
Weight	202g (7.095 oz.)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

AY-R12



Outdoor RGB illuminated Reader



OUTDOOR PROXIMITY READERS

Rosslare's AY-x12/14/20 are powerful RFID 125 KHz proximity card and tag reader families, featuring 26-Bit Wiegand, Clock & Data and RS-232 output formats.

With a sleek design and a tough, UV-resistant, water-resistant casing, the AY-x12/14/20 is equally suited for both indoor and outdoor use.

Major Features

- RF Modulation: ASK at 125 kHz EM RFID
- Internal buzzer
- Optical back tamper detection
- Tamper indication output
- Water-resistant with epoxy potting (IP65) for indoor and outdoor use
- Made of tough polycarbonate UV-resistant plastic
- Comes with mounting template for easier installation



AY-X12

- 26-Bit Wiegand Read format
- Bi-Colored LED
- LED color control input

AY-x14

- Clock & Data Read format
- Bi-Colored LED
- LED color control input

AY-x20

- Read Rosslare proprietary format
- Selectable Transmission formats: 26-Bit Wiegand / Clock & Data / RS-232
- Tri-Colored LED
- 2 x LED color control inputs
- Hold Control input

AY-H12 / AY-H20**AY-J12 / AY-J14 / AY-J20****AY-K12 / AY-K14 / AY-K20****AY-L12 / AY-L20****AY-M12 / AY-M20**

Specification	AY-x12	AY-x14	AY-x20
Operating Voltage Range	5-16 VDC		
Input Current	J & K	Standby: 35mA Read: 50mA	
	H, L & M	Standby: 35mA Read: 100mA	N/A
Tamper Output	Open collector, active low,max sink current 16mA		
Operating Temp.Range	-31o to 63oC (-25o to 145oF)		
Operating humidity	0 to 95% (non-condensing)		
Outdoor usage	Weather-resistant, meets IP65		

Specification	Dimensions (H x W x D)	Weight	Read Range
AY-H12/20	109.9 x 74.9 x 15 mm 4.3 x 2.95 x 0.59 inch	100g (3.53 oz.)	12 cm (4.71 inch)
AY-J12/14/20	119.95 x 41.95 x 14 mm 4.7 x 1.65 x 0.55 inch	88.5g (3.12 oz.)	10 cm (3.93 inch)
AY-K12/14/20	79.9 x 39.9 x 12.8 mm 3.15 x 1.57 x 0.50 inch	70.5g (2.49 oz.)	8 cm (3.15 inch)
AY-L12/20	144.9 x 42.9 x 20 mm 5.7 x 1.69 x 0.79 inch	116g (4.09 oz.)	12 cm (4.71 inch)
AY-M12/20	88.9 x 88.9 x 15 mm 3.5 x 3.5 x 0.59 inch	109g (3.85 oz.)	10 cm (3.93 inch)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.



MULTI-FORMAT READERS

AY-E20



Outdoor Ultra-Slim Flush-Mount Reader

Major Features

- 125kHz EM Proximity card reader
- 26-Bit Wiegand, Clock & Data and RS-232 selectable output formats
- Tri-Colored LED
- 2 x LED color control inputs
- Buzzer Control input
- Hold Control input
- Optical Back Tamper

Specifications	AY-E20
Input Voltage	5-16 V DC
Maximum Input Current	100mA
Standby Input Current	40mA
Max. read range*	3.5 mm (1.37 inch)
Operating Temperatures	-31°C to 63°C (-23.8°F to 145.4°F)
Operating humidity	0 to 95% (Non-Condensing)
Dimensions H x W x D	155 x 45 x 8 mm (6.1 x 1.77 x 0.314 inch)
Weight	135g (4.76 oz)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

■ ANTI-VANDAL PIN/PROXIMITY READERS

Vandal and weather resistant readers, come in a variety of options; Proximity only, Keypad only, Piezo keypad only or a combination of PIN & Prox, either with a regular or Piezoelectric Keypad. All are extremely robust yet elegantly designed with Optical tamper detection and output as well as a variety of other features.

ANTI-VANDAL PROXIMITY READERS

- Highly robust design, epoxy potted, fully sealed within an all-metallic housing
- RF Modulation: ASK at 125 kHz EM RFID
- Optical back tamper detection
- Tamper indication output
- Water-resistant with epoxy potting (IP65) for indoor and outdoor use
- Comes with mounting template for easier installation
- Bi-Colored LED and Buzzer indicators
- LED color control input

AY-Q12



Anti-Vandal Wiegand 26-Bit Proximity Reader

Specification	AY-Q12
Input Voltage	5-16 V DC
Maximum Input Current	35mA
Standby Input Current	100mA
Card Read Format	Wiegand 26-Bit
Max. read range*	65mm (2.55")
Operating Temperatures	-31° C to 63° C (-25° F to 145° F)
Operating humidity	0 to 95% (Non-Condensing)
Outdoor usage	Weather-resistant, meets IP65
Dimensions H x W x D	120 x 76 x 27 mm 4.72 x 3 x 1.06 inch
Weight	521g (1.18 lbs)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

ANTI-VANDAL PIN & PROXIMITY READERS

Major Features

- Multi-format keypad transmission formats
- Epoxy potted - meets IP65
- Large, metallic keypad with programmable backlit (on some models)
- Two Tri-colored LEDs and buzzer indicators
- Door bell key (with AC-015, AC-115, AC-215 & AC-225)
- Optical Back and Cover Tamper

ACCESS CONTROL



AY-Q54



Anti-Vandal 3x4 PIN Reader

AY-Q54B



Anti-Vandal 3x4 backlit PIN Reader

- Blue illuminated Keypad buttons

AY-Q64



Anti-Vandal 3x4 PIN & Proximity Reader

- Integrated RFID Proximity Reader
- Multi-format card reads 26-Bit Wiegand / Clock & Data

AY-Q64B



Anti-Vandal 3x4 backlit PIN & Proximity Reader

- Integrated RFID Proximity Reader
- Multi-format card reads 26-Bit Wiegand / Clock & Data
- Blue illuminated Keypad buttons

Specification	AY-Q54	AY-Q54B	AY-Q64	AY-Q64B
Input Voltage	5-16 V DC			
Standby Input Current	30mA	65mA	40mA	90mA
Maximum Input Current	70mA	110mA	98mA	130mA
Max. read range*	N/A	N/A	45 mm (1.77")	
Operating Temperatures	-31° C to 63 ° C (-25° F to 145° F)			
Operating humidity	0 to 95% (Non-Condensing)			
Outdoor usage	Weather-resistant, meets IP65			
Dimensions H x W x D	120 x 76 x 22 mm			
	4.72 x 3 x 0.966 inch			
Weight	480g (1.05 lbs)			

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

ANTI-VANDAL PIEZOELECTRIC PIN / PROXIMITY READERS

Major Features

- Programmable keypad transmission formats
- High sensitivity Piezoelectric keypad
- Patented backlit Piezo key digits (AY-T55B)
- Epoxy potted - meets IP65
- Two Tri-colored LEDs and buzzer indicators
- Door bell key (with AC-015, AC-115, AC-215 & AC-225)
- Optical Back and Cover Tamper

AY-S55



Anti-Vandal Piezo 2x6 PIN Reader

AY-T55



Anti-Vandal Piezo 3x4 PIN Reader

AY-T55B



Anti-Vandal Backlit Piezo 3x4 PIN Reader

AY-Q65



Anti-Vandal Piezo 3x4 PIN & Proximity Reader

Specification	AY-S55	AY-T55	AY-T55B	AY-Q65
Input Voltage	5-16 VDC			
Standby Input Current	30mA	30mA	90mA	55mA
Max. Input Current	120mA	120mA	180mA	80mA
Max. read range*	N/A	N/A	N/A	65mm (2.55")
Operating Temperatures	-31° C to 63° C (-25° F to 145° F)			
Operating humidity	0 to 95% (Non-Condensing)			
Outdoor usage	Weather-resistant, meets IP65			
Dimensions H x W x D	150 x 42 x 27 mm 5.91 x 1.65 x 1.06 inch	120 x 65 x 27 mm 4.72 x 2.6 x 1.06 inch		150 x 42 x 27 mm 5.91 x 1.65 x 1.06 inch
Weight	400g (0.9 lbs)	500g (1.1 lbs)	502g (1.107 lbs)	440g (1.0 lbs)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.



■ SMARTCARD READERS

Rosslare is one of the pioneers in implementing smartcard technology for our products and has adopted Phillips Mifare® standard, the most common of the smartcard standards worldwide.

Rosslare has developed a variety of Mifare® readers including patented Anti-Vandal and outdoor readers in various designs, which support a wide range of output protocols allowing for an easy upgrade from RFID to Smartcard technology.

Rosslare has also introduced a Read/Write Mifare® reader including an SDK that comes with a card Programmer and PC software by which you can build and utilize a variety of different applications.

Major Features

- ISO-14443A, Mifare® at 13.56 MHz
- Programmable Multi-Format output: Wiegand 26-Bit With site code, Fixed 26-Bit, 32-Bit, 32-Bit reversed, 34-Bit, 40-Bit and Clock & Data using MD-08B
- Bi-colored LED and buzzer indicators
- Programmable input: LED control / Buzzer Control
- Epoxy potted - meets IP65, Waterproof
- Optical Back Tamper

OUTDOOR CONTACTLESS SMARTCARD READERS



AY-M25

Euro/Asian Gang Box
Sized Mifare®
Smartcard
Contactless Reader



AY-H25

US Gang Box Sized Mifare®
Smartcard Contactless
Reader



AY-L25

Mullion Proximity
Reader



AY-J25

Mini-Mullion
Proximity Reader



AY-K25

Micro-Mullion Mifare®
Smartcard Contactless Reader

Specification	AY-M25	AY-K25	AY-H25	AY-L25	AY-J25
Operating Voltage Range	5-16 VDC				
Standby Input Current	35mA	49mA	45mA	35mA	35mA
Maximum Input Current	55mA	67mA	61mA	55mA	55mA
Tamper Output	Open collector, active low, max sink current 16mA				
Max. read range*	45 mm (1.77 inch)	40 mm (1.57 inch)	50 mm (1.97 inch)	45 mm (1.77 inch)	45 mm (1.77 inch)
Operating Temp. Range	-31° to 63°C (-25° to 145°F)				
Operating Humidity	0 to 95% (non condensing)				
Outdoor usage	Weather-resistant, meets IP65				
Dimensions H x W x D	88.9 x 88.9 x 15 mm 3.5 x 3.5 x 0.59 inch	79.91 x 39.91 x 12.8 mm 3.15 x 1.57 x 0.50 inch	109.9 x 74.9 x 15 mm 4.3 x 2.95 x 0.59 inch	144.9 x 42.9 x 20 mm 5.7 x 1.69 x 0.79 inch	119.95 x 41.95 x 14 mm 4.7 x 1.65 x 0.55 inch
Weight	103g (3.633 oz.)	54g (1.9 oz.)	87g (3.07oz.)	116g (4.09oz.)	88.5g (3.1oz.)

*Range depends on the electrical environment and proximity to metal.

OUTDOOR CONTACTLESS SMARTCARD/PIN READERS

AY-W6250W



Mifare® Smartcard Contactless Reader

AY-W6350W



Mifare® Smartcard Contactless Reader with Keypad

- Programmable using keypad
- Red backlight keypad

AY-W6350B



Specification	AY-W6250	AY-W6350
Operating Voltage Range	5-16 VDC	
Standby Input Current	110mA	180mA
Maximum Input Current	165mA	235mA
Tamper Output	Open collector, active low, max sink current 16mA	
Max. read range*	65 mm (2.56")	70 mm (2.75")
Operating Temp. Range	-31° to 63°C (-25° to 145°F)	
Operating Humidity	0 to 95% (non condensing)	
Outdoor usage	Weather-resistant, meets IP65	
Dimensions H x W x D	125 x 83 x 29.5 mm 4.92 x 3.27 x 1.16 inch	
Weight	230g (0.507 lbs)	230g (0.507 lbs)

*Range depends on the electrical environment and proximity to metal



ANTI-VANDAL CONTACTLESS SMARTCARD/PIN READERS

Patented hi-frequency antenna on metallic body, allowing read range up to 4.5 cm.

AY-Q6250



Anti-Vandal Mifare® Smartcard Contactless Reader

AY-Q6350



Anti-Vandal Mifare® Smartcard Contactless Reader with Keypad

- Blue backlit keypad
- Two Tri-colored LED and buzzer indicators

Specification	AY-Q6250	AY-Q6350
Operating Voltage Range	5-16 VDC	
Standby Input Current	110mA	160mA
Maximum Input Current	190mA	240mA
Tamper Output	Open collector, active low, max sink current 30mA	
Max. read range*	45 mm (1.772")	45 mm (1.772")
Operating Temp. Range	-31° to 63°C (-25° to 145°F)	
Operating Humidity	0 to 95% (non condensing)	
Dimensions H x W x D	120 x 76 x 22 mm 4.72 x 3 x 0.966 inch	125 x 83 x 29.5 mm 4.92 x 3.27 x 1.16 inch
Weight	420g (0.93 lbs)	440g (0.97 lbs)

*Range depends on the electrical environment and proximity to metal.

OUTDOOR CONTACTLESS SMARTCARD SECTOR READERS

The AY-Q6x60 and AY-W6x60 are contactless smartcard sector readers, used in access control system solutions.

The Readers scan information stored in specific and protected sectors, within a Mifare® smartcard. The readers then process and send the data to a connected access control system. AY-Q6x60 is a metallic, Anti-Vandal family of readers. AY-W6x60 reader family has a rigid plastic housing for outdoor installations. All readers are fully potted, weather resistant and suitable for outdoor as well as indoor installations. The readers use a master card to configure the operational mode and a user card for access. Both master and user cards are programmed using Rosslare's AS-B01 software in conjunction with Rosslare's CP-R25 Mifare card desktop programmer.

AY-Q6250



Anti-Vandal Mifare® Smartcard Contactless Sector Reader

AY-Q6350



Anti-Vandal Mifare® Smartcard Contactless Sector Reader with Keypad

- Blue backlight keypad
- Two Tri-colored LED and buzzer indicators

AY-W6260



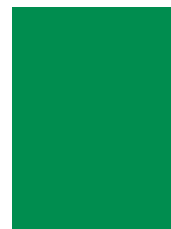
Mifare® Smartcard Contactless Sector Reader

AY-W6360



Mifare® Smartcard Contactless Sector Reader with Keypad

Specification	AY-Q6260	AY-Q6360	AY-W6260	AY-W6360
Operating Voltage Range	5-16 VDC			
Standby Input Current	110mA	160mA	110mA	160mA
Maximum Input Current	190mA	240mA	165mA	235mA
Tamper Output	Open collector, active low, max sink current 30mA			
Max. read range*	45 mm (1.772")	45 mm (1.772")	70 mm (2.75")	45 mm (1.772")
Operating Temp. Range	-31° to 63°C (-25° to 145°F)			
Operating Humidity	0 to 95% (non condensing)			
Dimensions H x W x D	120 x 76 x 22 mm (4.72 x 3 x 0.966 inch)		125 x 83 x 29.5 mm (4.92 x 3.27 x 1.16 inch)	
Weight	4.72 x 3 x 0.966 inch	440g (0.97 lbs)	230g (0.507 lbs)	230g (0.507 lbs)



■ MIFARE® CONTACTLESS BIOMETRIC READERS

Rosslare's Mifare® Smartcard biometric readers family include swipe and full finger MOC (Match-On-Card) technology, and 1:1/1:N full finger standalone.

Match-On-Card technology provides a secure solution to perform fingerprint verification entirely in the smartcard. This technology boosts the overall security of the authentication system as the enrollment information is stored on the smartcard only.

During verification on 1:1 (One-to-One) mode, the system compares matching between the fingerprint and the data stored in a readers' memory, which the card points.

During verification on 1:N (One-to-Many) mode, the system compares matching between the fingerprint enrolled by analyzing the entire biometric database, containing all previously enrolled biometric records.

AY-B4663



Fingerprint Swipe Match-on-Card Reader

AY-B1663



Fingerprint Swipe Match-on-Card Reader

AY-B3663



Fingerprint Swipe Match-on-Card Reader

Major Features

- 3 different designs to accommodate customer requirements and preferences
- Visual assistance of the correct manner for using the finger swipe using motion animated indicators
- Optical Back Tamper sensor and Tamper output signal
- Support Lockout feature for fraud prevention
- Compatible with Mifare® ISO 14443A 1K and 4K cards and tags
- Up to 2 fingerprint templates for each Mifare® card/user
- Programmable card transmission formats
- Programmable LED and buzzer control inputs
- Master and user cards and fingerprint enrollment are programmed using Rosslare's AS-B01 software in conjunction with Rosslare's CP-R25 Mifare card desktop programmer

Specifications	AY-B1663	AY-B3663	AY-B4663
Operating Voltage Range	6-16 VDC		
Standby Input Current	85mA		
Maximum Input Current	513mA		
Tamper Output	Open collector, active low, max sink current 32mA		
Array size	192 x 4 pixels		
Pixel pitch	50 microns		
Image resolution	508 DPI		
Inputs	Programmable LED / Buzzer control Input, N.O, Dry Contact		
Indicators	Three blue LED indicators		
Output Format	Wiegand 26-bit, Wiegand 32-bit, Wiegand 34-bit, Wiegand 40-bit and Clock & Data		
Built-In Proximity Reader	Operating Frequency: 13.56 MHz		
Compatible Cards	Mifare® compatible ISO-14443A		
Max. Proximity read range	40mm (1.57 inch)		
Operating Temperature	-25°C to 60°C (-13°F to 140°F)		
Operating Humidity	5% to 90% (Non-Condensing)		
Dimensions: H x W x D	70.1 x 54.1 x 39.1 mm 2.76 x 2.13 x 1.54 inch	84.1 x 54.1 x 20.9 mm 3.31 x 2.13 x 0.82 inch	85.4 x 50.6 x 27 mm 3.36 x 1.99 x 1.06 inch
Weight	81.5g (2.875 oz.)	106g (3.739 oz.)	94.5 g (3.333 oz.)

AY-B1660

Match-On-Card Reader

AY-B2660

Match-On-Card Reader

AY-B7661

1:1 / 1:N Stand-Alone Reader

Major Features

- 2 different designs to accommodate customer requirements and preferences (AY-B1660 / AY-B2660)
- Stand-Alone reader with no controller connection (AY-B7661)
- Visual assistance of the correct manner for using the finger using motion animated indicators
- Optical Back Tamper sensor and Tamper output signal
- Support Lockout feature for fraud prevention
- Compatible with Mifare® ISO 14443A 1K and 4K cards and tags
- Up to 2 fingerprint templates for each Mifare® card/user (AY-B1660 / AY-B2660)
- Programmable card transmission formats
- Programmable LED and buzzer control inputs
- Master and user cards and fingerprint enrollment are programmed using Rosslare's AS-B01 software in conjunction with Rosslare's CP-R26 Mifare® card desktop programmer

ACCESS CONTROL



	AY-B1660	AY-B2660	AY-B7661
Operating Voltage Range	5 – 16 VDC		
Standby Input Current	60 mA		
Maximum Input Current	135 mA		
Tamper Output	Open collector, active low, max. sink current 32mA		
Inputs	Programmable LED / Buzzer control Input, N.O, Dry Contact		
Indicators	Two tri-colors LED		
Output Format	Wiegand 26-bit, Wiegand 32-bit, Wiegand 34-bit, Wiegand 40-bit and Clock & Data		
Compatible Cards	Mifare [®] ISO14443A-3 standard		
Operating Temperature	-25°C to 60°C -13°F to 140		
Operating Humidity	30% – 85% (non-condensing)		
Dimensions: H x W x D	100 x 54 x 42 mm 3.94 x 2.13 x 1.65 inch	102 x 54 x 32 mm 4.02 x 2.13 x 1.26 inch	
Weight	79 g 2.787 oz.	156 g 5.503 oz.	

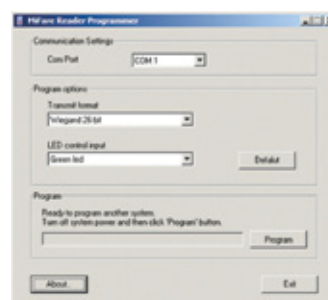
SMARTCARD READER PROGRAMMER

MD-08B



Programming Interface for Smartcard Readers

My Prog



MiProg Smartcard Programming PC Software

- Transmission format programming
- LED / Buzzer control function programming

TIME & ATTENDANCE READERS

AY-F66



Outdoor PIN & Prox Reader with Time/Date LED Display

- 125 KHz, ASK type EM RFID Proximity
- 26-Bit Wiegand, Clock & Data
- Buzzer indicator
- Multi-format keypad transmission
- Time, Date and programming 7-Segment display
- Time & Date update using RS-485 and AC-115 or AxTrax communication interface
- Optical Case and Back Tamper



Specification	AY-F66
Operating Voltage Range	5-16 VDC
Standby Input Current	180mA
Maximum Input Current	315mA
Max. Proximity read range	100 mm (4 inch)
Operating Temp. Range	-20° to 60°C (-4 to 140°F)
Operating Humidity	0 to 95% (non condensing)
Outdoor usage	Weather-resistant, meets IP-54
Dimensions H x W x D	120 x 71 x 29.6 mm (4.72 x 2.8 x 1.165 inch)
Weight	230g (0.507 lbs)



LONG AND MEDIUM RANGE READERS

LONG & MEDIUM RANGE PROX / PIN & PROX READERS

Major Features

- 125 KHz, ASK type EM RFID Proximity passive cards
- Optical case and Back Tamper

AY-V12



Medium Range Proximity Reader

- 26-Bit Wiegand
- Bi-colored LED and buzzer indicators

AY-V64



Medium Range Backlit PIN & Prox Reader

- 26-Bit Wiegand, Clock & Data
- Multi-format keypad transmission format
- Red Backlight display
- Two Bi-colored LED and buzzer indicators



AY-Z12A



Long Range Proximity Reader

- 26-Bit Wiegand
- Bi-colored LED and buzzer indicators

Specification	AY-V12	AY-V64	AY-Z12A
Operating Voltage	5-16 VDC		10-16 VDC
Standby Input Current	120mA	150mA	280mA
Max. Input Current	140mA	180mA	330mA
Max. read range*	220 mm (9")	600 mm (23.6")	
Operating Temp. Range	-32° to 63°C (-25° to 145°F)	-20° to 63°C (-4° to 145°F)	-32° to 63°C (-25° to 145°F)
Operating Humidity	0 to 95% (non condensing)		
Outdoor usage	meets IP65	meets IP54	meets IP65
Dimensions H x W x D	125 x 125 x 21 mm 4.92 x 4.92 x 0.83 inch		300 x 300 x 25 mm 11.8 x 11.8 x 1 inch
Weight	285g (0.63 lbs)		1066g (2.4 lbs)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.

LONG RANGE RF READERS AND REMOTE CONTROLS

Major Features

- Operated by remote control on ISM bands of 868.35 MHz (E) and 433.92 MHz (C)
- 26 Bit Wiegand output format
- Up to 50m (164ft) range (Open Field)
- Epoxy potted Waterproof RF reader
- Bi-colored LED and buzzer indicators
- Optical Back Tamper

AY-L23



Outdoor Long Range
RF Reader

Specification	AY-L23
Operating Voltage	5-16 VDC
Standby Input Current	25mA
Max. Input Current	55mA
Max. Remote Control read range	50m (165ft.)
Operating Temp. Range	-31° to 63°C (-25° to 145°F)
Operating Humidity	0 to 95% (non condensing)
Outdoor usage	Weather-resistant, meets IP68
Dimensions H x W x D	145 x 43 x 20 mm (5.7 x 1.7 x 0.8 inch)
Weight	500g (1.1 lbs)

SA-26



Single Channel Transmitter
for AY-L23 Receiver

SA-27



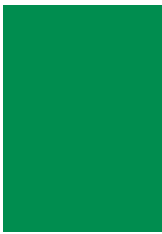
Dual Channel Transmitter
for AY-L23 Receiver

SA-28



Quad Channel Transmitter
for AY-L23 Receiver

Specification	SA-26	SA-27	SA-28
Operating Voltage	Two AAA 1.5V Alkaline Battery		
Standby Current	0mA		
Transmission Current	16mA		
RF Frequency	E Model: 868.35MHz C Model: 433.92MHz		
Max. Remote Control read range	50m (165 ft)		
Operating Temp. Range	-10° to 50°C (14° to 122°F)		
Operating Humidity	0 to 95% (non condensing)		
Number of buttons	1	2	4
Dimensions H x W x D	104 x 40 x 15 mm (4.09 x 1.57 x 0.59 inch)		
Weight	56g (1.975 oz.)		



INDOOR PROXIMITY / PIN / PIN & PROXIMITY READERS

Major Features

- 125 KHz, ASK type EM RFID Proximity
- 26-Bit Wiegand
- Bi-colored LED and buzzer indicators
- 4-Wire terminal-block connections
- Case tamper signal Wiegand codes reported , with Rosslare's controllers
- Door bell key signal reported by Wiegand codes, with Rosslare's controllers (selected models)

AY-C11



Indoor Mullion Proximity Reader with Bell Button

AY-C12



Indoor Mullion Proximity Reader

AY-D11



Indoor Proximity Reader with Bell Button

AY-D12



Indoor Proximity Reader

AY-C09M

Indoor Mullion PIN Reader

AY-C19M

Indoor Mullion PIN & Prox Reader

**AY-D09M**

Indoor PIN Reader with Bell Button

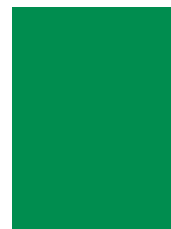
AY-D19M

Indoor PIN & Prox Reader with Bell Button



Specification	AY-C11	AY-D12	AY-C12	AY-D11	AY-C09	AY-D19	AY-C19	AY-D09
Input Voltage	12-16 VDC							
Max. Input Current@12VDC	60mA							
Standby Input Current@12VDC	25mA							
Max. read range*	60 mm (2.36")	80 mm (3.15")	80 mm (3.15")	100 mm (3.94")	NA	80 mm (3.15")	NA	100 mm (3.94")
Operating Temperatures	0°C to 63°C (32°F to 145°F)							
Operating Humidity	0 to 95% (non condensing)							
Dimensions H x W x D	130 x 41.7 x 19 mm 5.118 x 1.642 x 0.748 inch		122 x 74 x 18.5 mm 4.803 x 2.913 x 0.728 inch		130 x 41.7 x 19 mm 5.118 x 1.642 x 0.748 inch		122 x 74 x 18.5 mm 4.803 x 2.913 x 0.728 inch	
Weight	75g (2.65 oz)	70g (2.47 oz)	100g (3.53 oz)	100g (3.53 oz)	70g (2.47 oz)	80g (2.82 oz)	115g (4.06 oz)	120g (4.23 oz)

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.



ACCESS CONTROL ACCESSORIES

CARD PROGRAMMERS

CP-R25



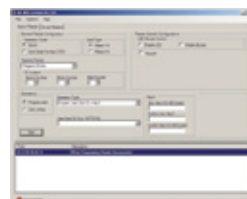
Desktop Mifare® and swipe fingerprint card programmer

CP-R26



Desktop Mifare® and full fingerprint card programmer

AS-B01



Microsoft® Windows Compatible software for Master and UserCards Configuration

Major Features

- Unlimited number of users
- Advanced, secure, multi-application functionality for intelligent installations
- Indication & user guidance combining animated LED indicators and built-in sounder
- Easy to deploy in the field with a configuration card (Master card)
- Configurable multi-output format, supports Wiegand 26-bit, clock and data, Wiegand 32 bit, Wiegand 34 bit, and Wiegand 40 bit formats
- Compatible with Outdoor Contactless Smartcard Sector Readers, Fingerprint Swipe Match-on-Card Readers, Full Finger Print Readers, 1:1 and 1:N Readers
- Microsoft® Windows Compatible software for Master and User Card configuration (AS-B01)
- Unique, fast and highly flexible fingerprint recognition and look-up algorithms
- Active Fingerprint-Sensing Technology, allows a wider range of fingerprint captures

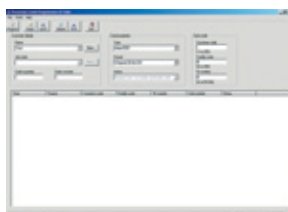
CP-R20U



Desktop Card Programmer

- USB 2.0 Link to PC
- Supports Standard EM4002 and Rosslare card formats
- Card types supported: Atmel 555x, Sokymat, Temic 555x
- 125KHz, ASK modulation

Card Programmer PC Software



- Full card configuration with facility code
- Client's database management with authorization protection
- User defined cards serialization

■ WIRELESS ACCESS CONTROL DOOR INTERFACE

The MD-W11 is a quick and cost effective solution for remote door devices, such as readers, locks and REX Buttons, or connection to access controllers. The units utilize bi-directional RF data communication to relay reader messages, card data and PIN code in various formats, lock and door relay commands, tamper, door monitor and REX messages, between the controller and the interface unit, all in secured and encrypted communications. The interface is based on two units per door, one located near the controller and the other near the door.

MD-W11N



Available models:

MD-W11FHR Far unit on 869MHz band
 MD-W11NHR Near unit on 869MHz band
 MD-W11FGR Far unit on 433MHz band
 MD-W11NGR Near unit on 433MHz band

Wireless Access Control Door
 Interface Near Unit/Far Unit

MD-W11BP



Wireless Access Control
 Interface Power Backup Unit

Major Features

- Maximum range of 70 meters (230 ft) indoors, up to 300 meters (985 ft) outdoors. Depending on RF related environmental conditions
- Overall response time of 500 ms when used with Rosslare's AC-225 controller and readers. Response time depends on RF link quality, the number of doors used and the controller and reader's response time
- Built-in charger for up to 7Ah backup battery on the Remote unit
- Compatible with all of Rosslare's readers and with any third party units using standard wiegand format of PIN code and credentials
- Separate sets of terminals for door and controller connections
- Case and wall tamper protection. Tamper events from either Near or Remote sides are reported using a Tamper output on the Near unit

Specifications		MD-W11N	MD-W11F	MD-W11BP
Input Voltage	VDC	13.8 VDC from controller	15-24 VDC	N/A
	VAC	N/A	12-24 VAC	N/A
Max. Input Current (12VDC)		160 mA	80 mA	N/A
Standby Input Current (12VDC)		70 mA	33 mA	N/A
Max. relay Current		1A	5A	N/A
Operating Temperatures		-10° to 50°C (14° to 122°F)		
Operating humidity		0 to 95% (Non-Condensing)		
Dimensions H x W x D		13 x 8.7 x 3.2 cm 5.1 x 3.42 x 1.26 inch	13 x 8.7 x 3.2 cm 5.1 x 3.42 x 1.26 inch	13 x 6 x 3.4 cm 5.1 x 2.72 x 1.34 inch
Weight		155g (0.34 lbs)	155g (0.34 lbs)	430g (0.95 lbs) i ncluding BT-05 battery

*Measured using Rosslare's AT-14 or equivalent. Range also depends on the electrical environment and proximity to metal.



■ COMMUNICATIONS GATEWAYS AND ADAPTERS

MD-N32



TCP/IP to RS-232 Gateway

- Enables Ethernet networking for AC-115 and AC-215 panels
- Universal RS-232 to TCP/IP gateway for general use
- Supports DHCP automatic IP addressing
- Bi-directional conversion of RS-232 to TCP/IP
- Powered by external 12V wall adapter type power supply

MD-N33



Serial RS-232 to PSTN Adapter (Modem)

- Enables telephony communications for AC-215 panels
- Universal telephony modem for general use
- Supports bi-directional data transfer and event driven reporting calls
- Configurable directly from AS-525 software
- Powered by external 12V wall adapter type power supply

MD-14



RS-232 to RS-485 Converter

- Connects various Rosslare panels and devices to PC and network
- D-9 Connector for RS-232 port
- Originally equipped with a special plug for AC-215/225 on-board communications port

MD-08



Wiegand 26-Bit to RS-232 Output converter

- Connects AC-115 software and AS-525 AxTrax to a desktop reader
- Reads proximity cards using a dedicated application
- Can be used as desktop reader with MD-12W micro reader
- Powered by external 12VDC power supply

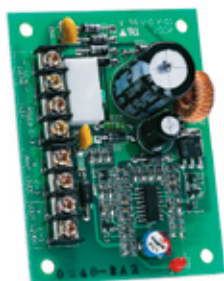
■ POWER SUPPLIES

Major Features

- Output current from 1.2A to 5.0A
- Regulated output voltage: 12VDC
- Metal cabinet: 205mm x 200mm x 82mm (8.1 x 7.9 x 3.2 inch)
- Integral battery charger and automatic battery switching for full UPS operation
- Internal space for Lead-Acid backup battery of up to 7Ah
- Automatic thermal overload protection
- On-board LED indicators for AC input and DC output
- PCB module versions available

Specification	PS-C18	PS-C16	PS-C17	PS-C16U	PS-C17U
Input voltage	220 VAC/ 50 Hz			110VAC/60Hz	
Output voltage	Regulated 12 VDC				
Maximum output current	5.0A	1.2A	2.0A	1.2A	2.0A
Operating temperature	-10° to 70°C (14° to 158°F)				
Operating humidity	0-95%, non condensing				

PC-P16



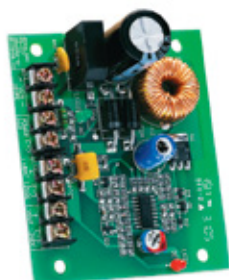
12VDC / 1.2 A Power Supply PCB Unit

PS-C16/U



12VDC / 1.2 A Power Supply Unit

PC-P17



12VDC / 2 A Power Supply PCB Unit

PS-C17/U

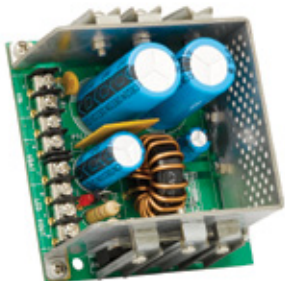


12VDC / 2 A Power Supply Unit

ACCESS CONTROL



PC-P18



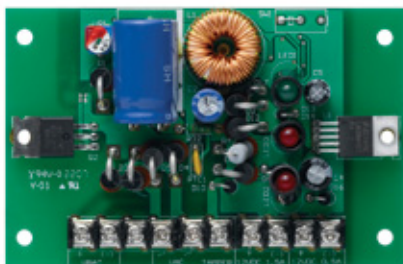
12VDC / 5 A Power Supply PCBA

PS-C18



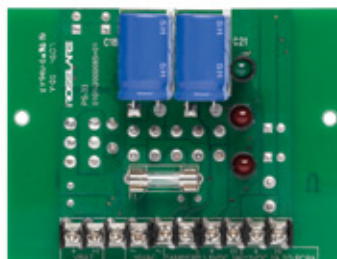
12VDC / 5 A Power Supply Unit
(Battery not included)

PS-14



Power supply for AC-215, provides 12VDC / 0.5A, 12VDC / 1.5A power outputs and 13.8VDC for backup battery charging of up to 7Ah

PS-33



Power supply for AC-225, provides 12VDC / 2A, 12VDC / 3A power outputs and 13.8VDC for backup battery charging of up to 7Ah

PS-30F



DIN Rail Mounted AC-DC Power Supply

- Input voltage: 230VAC/50Hz
- Output: 14VDC, 0.6A

■ PIEZOELECTRIC REX BUTTONS

Rosslare's powerful line of high quality piezoelectric switches are designed for industrial, high-risk environmental requirements and indoor applications, they can be used for direct door control or applied in the use and control of various industrial equipment and appliances in various harsh environments including mines, oil rigs and refineries, military installations and more.

Being Piezoelectric, non sparking, with no moving parts, these buttons are extremely reliable, suited for long-life and rugged use in harsh weather and environmental conditions, yet are encased within an elegant designed, attractive case, made with the benefit of architects and designers in mind.

*Temp range appears in the spec tables.

Major Features

- High-sensitive piezoelectric REX button family
- Highly visible light ring with automatically or externally controlled changing colors
- Adjustable lock release time using potentiometer
- Up to 2A switching current
- Standard single gang-box and mullion sizes
- Basic, non-powered analog model (EX-06, EX-16)
- Advanced digital model (EX-07, EX-17)
 - Various settings for lighting behavior
 - Light changing effects, dimming
 - Externally controlled lighting and built-in sounder
 - External input for alarm/evacuation light flashing indications
- Stainless steel surface and potted, sealed interior with external connections & setup compartment
- Custom labeling per demand

EX-06



Analog Piezo REX switch with toggle option

EX-16



Analog Mullion size Piezo REX switch with toggle option

EX-07



Digital Piezo REX switch

EX-17



Digital Mullion size Piezo REX switch

ACCESS CONTROL



EX-04



Slim Flush mount Piezoelectric button with LED ring indication and color input control lines

Specification	EX-06	EX-16	EX-07	EX-17	EX-04
Input voltage range	12-24 VDC / VAC				8-18 VDC
Max. switching current	2A DPDT		2 X 2A Form-C, N.O and N.C		1A @ 12 VDC
Size	Standard gang	Mullion	Standard gang	Mullion	Standard gang
Built-in sounder	No	No	Yes	Yes	No
External lighting control	No	No	Yes	Yes	Yes
Outdoor usage	Weather-resistant, meets IP65				No

EX-01



Push-to-Exit Button

- N.O. and N.C. terminals

EX-02



Emergency Button

- N.O. and N.C. terminals

AUDIO ALERT UNITS

BL-D40



Compact Bell & Strobe Unit for Standalone Controllers

- Emits Door bell, chime and alarm sounds per controller events
- Flashing strobe light signals
- Powered by controllers' power supply

PIEZOELECTRIC BUTTONS

Rosslare's PX-x3 family are heavy duty, non-sparking, nonmagnetic, corrosion resistant, illuminated, anti-vandal piezoelectric switches, designed for both indoor and harsh weather outdoor use.

The switches feature solid state Piezoelectric Switch Technology generating a dry contact N.O. pulse at the touch of a finger, with no physical movement or moving parts.

The PX-x3 series feature virtually unlimited lifespan of over 20 Million uses, which is the ideal benefit of piezoelectric technology, and tested to be water tight (IP68 rating) and work in harsh weather and environmental conditions of -40°C to +70°C (-40°F to 158°F).

PX-13



Piezoelectric switch, designed and developed using advanced technology

- External power source not required
- Waterproof (meets IP68)
- Easy to install
- Seven optional body colors

PX-23/PX-33



Piezoelectric switches with LED indicator, designed and developed using advanced technology

- Waterproof (meets IP68)
- Easy to install
- Wide range of voltage input to turn on the LED
- Seven optional body colors
- 2-LED control inputs



Piezoelectric switches with Light ring indication, designed and developed using advanced technology

Electrical specifications	PX-13	PX-23	PX-33
Input voltage range	5-12VDC/AC	5-12VDC/AC	5-12VDC/AC
Input Current	≤1A	≤1A	≤1A
Contact Resistance	<100Ohm	<100Ohm	<100Ohm
Impulse Time N.O	<50 ms	<50 ms	<50 ms
Finger Pressure on Button	1 kg for 10N	0.5 kg for 5N	0.5 kg for 5N
Button Life	1 billion cycles	1 billion cycles	1 billion cycles

Environmental specifications	PX-13	PX-23	PX-33
Operating Environment	Indoor & Outdoor		
Outdoor use	Waterproof, Meets IP68		
Operating Temperature	-40°C to 70°C (-40°F to 158°F)	-20°C to 70°C (-4°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)	-30°C to 80°C (-22°F to 176°F)	-60°C to 80°C (-76°F to 176°F)
Operating Humidity	10 to 99%	10 to 90%	10 to 99%



Physical specifications	PX-13	PX-23	PX-33
Height	19.5 mm (0.77 inch)		
Diameter	29.5 mm (1.16 inch)		
Standard Thread	22 mm (0.87 inch)		
Standard Wires	24 AWG Wire (UL1569)		
Pigtail Length	280 mm (11.02 inch)		
Weight	22g (0.78 oz.)		
Housing Colors	Black, Natural (mat), Gold, Green, Red, Blue, White		

■ MOUNTING PERIPHERALS

MP-06



- Metal Housing for Mounting of Piezo REX Buttons
- Available external sleek polished metal mounting box
 - Compatible with EX-04/06/07

MP-16



- Metal Housing for Mounting of Piezo REX Buttons
- Available external sleek polished metal mounting box
 - Compatible with EX-16/17

MP-Z02



- Mounting Spacer for long range Reader
- Compatible with AY-Z12A

MP-K01

Mount Spacer for K-Type Readers

- Compatible with AY-K12, AY-K14, AY-K20 and AY-K25 readers

MP-J01

Mount Spacer for J-Type Readers

- Compatible with AY-J12, AY-J14, AY-J20 and AY-J25 readers

MP-C02

Flush-Mount Housing for C-Type Keypads

- Compatible with AY-C09, AY-C19 readers, AC-C31 and AC-C32 controllers

MP-G02

Flush-Mount Housing for G-Type Readers and Keypads

- Compatible with AYC-G54, AYC-G64 Convertible readers/controllers and AC-G43, AC-G44 standalone controllers
- Optional enclosure cover is available



CARDS AND TAGS

125KHz RFID PROXIMITY CARDS

AT-R11



- ISO 125KHz Proximity Read-Only Card
- Link-ID
 - Printed Wiegand format ID and site code

AT-R11C



- ISO 125KHz Proximity Read-Only Card
- Link-ID
 - Printed Wiegand and Clock & Data formats ID and site code

AT-T11



- ISO 125KHz Proximity Multiple Read/Write Card

AT-R14



- Clamshell 125KHz Proximity Read-Only Card
- Link-ID
 - Printed Wiegand format ID and site code

AT-R14C



- Clamshell 125KHz Proximity Read-Only Card
- Link-ID
 - Printed Wiegand and Clock & Data formats ID and site code

AT-T14



- Clamshell 125KHz Proximity Multiple Read/Write Card

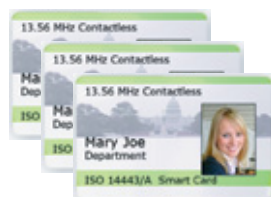
13.56MHz MIFARE® SMARTCARD CONTACTLESS CARDS

AT-T511



- Mifare® Contactless Ultralight Card
- 13.56MHz Mifare®, 512 bytes

AT-T512



- Mifare® Contactless 1K Card
- 13.56MHz Mifare®, 1K bytes

AT-T513



- Mifare® Contactless 4K Card
- 13.56MHz Mifare®, 4K bytes

PROXIMITY TAGS

AT-R261



125 KHz Read-Only proximity Tags

- Printed ID
- Available in three colors: Black, Gray and Blue

AT-R271



AT-T515



13.56 MHz Mifare® Contactless 1K Tag

- Available in three colors: Black, Gray and Blue

OEM READER MODULES

MD-12C



MD-12W



OEM Proximity Reader Module

- 125KHz ASK, EM RFID Proximity Reader Module
- Read range of 5cm (2")
- Input voltage: 5VDC
- Dimensions: 23mm (0.9") diameter, 9mm (0.35") height
- Available in Wiegand 26 bits (MD-12W) and RossLare format Clock & Data (MD-12C)
- Operating temperature range -31°C to 63°C (-25°F to 145°F)

INTRUSION PRODUCT SELECTION GUIDE

Hardwire	Control Panels		AuraSys Lite, AuraSys Pro, L-2, L-4, L-6	64-66,
	Panel Expansions	Zone expansions	XI-04, XI-08	71
		PGM expansions	XO-02, XO-04	70
		Hardwire expansions	XR-16, XR-16A, MD-64, MD-66	71
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	Motion Detectors	Wall mount	SA-01W, SA-01WL, PYR-0021, PYR-1021, PYR-2021	74-76
		Pet immune	SA-01PW	75
		Ceiling	PYR-3021	77
		Microwave	PYR-2023	77
	Sensors	Magnetic	SH-02, SH-12	79
		Beam	SH-61, SH-62	78
	Sirens		SA-81, SH-82	80
	Accessories		MD-62, MD-63	72
Wireless	Control Panels	Home security	HomeLogix: HLX-40, HLX-40A and HLX-40B	81
		Personal emergency	SP-03V2	82
	Universal Receivers		SA-38, SA-22	84-85
	Motion Detectors	Wall mount	SA-01, PYR-2011	86
		Pet Immune	SA-01P	87
		Ceiling	PYR-3011	87
	Sensors		SA-32, SA-02, SA-19, SA-20	88-90
	Fixed Transmitters		SA-25	89
	Smoke/Heat		SA-34, SA-36, SA-37, SA-14, SA-15, SA-16, SA-17	91, 98
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Accessories	GSM Communicators		SA-59, MD-CC101	97
	Brackets		BR-41, BR-11	99
	Power supplies & Batteries		PS-30E, PS-DC1613, PS-AC1640, PS-AC1625, PS-DC1204, PS-DC1512, PS-DC2429, PS-DC2465, BT-05, BT-16	100-10



INTRUSION

Rosslare provides a complete solution for all of your intrusion detection and protection needs. We offer a wide range of wired and wireless systems as well as elderly care systems including panels, detectors, intelligent sensors, sirens and accessories.

Rosslare is an established player in the intrusion detection and protection field; we provide exclusive patented solutions modeled in stylish designs with a protective casing. All our intrusion detection and protection products are simple to install, simple to operate and built to last the distance.

They are made of high quality materials based on innovative manufacturing procedures that have been designed for all environments. The end result is a range of high quality products with enhanced reliability.



HARDWIRE INTRUSION

Rosslare offers a wide range of advanced alarm systems for residential installations including condominium, and apartments as well as for commercial applications like stores and small offices. Today's technology provide reliability, flexibility, and protection 24 hours a day, using sophisticated control panels, sensors, detectors, sirens, and keypads, to ensure your family's safety and privacy.



AURASYS™ LITE FAMILY

AuraSys™, Rosslare's high-performance, hardwire line of alarm systems, now offers the new Lite family, featuring cost-effective panels for smaller applications. The products range from a very basic four-zone self-contained panel up to a twelve-zone panel, containing various options, including enclosed key switch and keypad versions. Other options include bus expansions and a large variety of new, attractively designed, user-friendly system keypads.

General Features

- Wide range of panel sizes, from basic 2 zone (expandable to 4), small 4 on-board zones (expandable to 8) to medium 6 on-board zones (expandable to 12)
- Self-contained (L-2 and L-4) panel versions with compact backup batteries (not included) in a stylish housing, featuring arming buttons, zone and status indicators, and built-in or key-switch keypads
- A range of suitable system keypads (MatrixBUS™ compatible): 8- and 12-zone keypads, stylish, compact design, LED, LCD and LCD with dot-matrix keypads
- RF expansion (MatrixBUS™) optional for L-4 and L-6, support the entire range of wireless detectors, transmitters, keypads, repeaters, and sirens
- Zone doubling option in all models
- New, easy, straightforward Rosslare standard programming system, common to all AuraSys control panels
- Remote programming, control, and account management software
- 2400 baud internal modem
- FW upgrade in all models



Specification	L-6 PCBA	L-4 PCBA	L-4	L-4K	L- 2	L-2K
On-board dual EOL zone inputs (+ tamper detection)	6		4		2	
Zone doubling			Yes			
Max. supported zones	12		8		4	
4-wire fire zone			1			
(using PGM for reset)			Any			
On-board PGM outputs, OC 120mA			1			
Sounder output, 1A	1		1			1
Line cut detection			Yes			
On-board aux outputs, mA	1700	1700	1000		1000	
User codes (in addition to 1 master and 1 programmer)	10		8		N/A	6
Nonvolatile event log size	256		256		256	
Self contained housing	No		Yes			
Built-in 6 digit keypad		N/A		Yes	N/A	Yes



Specification	L-6 PCBA	L-4 PCBA	L-4	L-4K	L- 2	L-2K
Max. keypads supported of KE-04, KC-04, KE-06, KC-06, KD-04, KD-06 types	4				N/A	
Central station accounts (primary, secondary/backup)	2					
Private telephone numbers	3					
Fax/answering machine defeat	Yes					
Wireless expansion supported	Yes (XR-16A)		No			
Operating Temp. Range	-15° C to 50° C (5° F to 122° F)					
Operating Humidity	0-95% (Non-Condensing)					
Dimensions H x W x D	170 x 65 mm (6.69 x 2.6 inch)		170 x 130 x 38 mm (6.69 x 5.12 x 1.46 inch)			
Weight	102g (3.6 oz.)		290g (10.2 oz.)	303g (10.7 oz.)	250g (8.8 oz.)	

L-2

Self-Contained 2/4 Zone Control Panel with Built-In Key Switch

L-2K

Self-Contained 2/4 Zone Control Panel with Built-In Keypad

L-4

Self-Contained 4/8 Zone Control Panel with Built-In Key Switch

L-4K

Self-Contained 4/8 Zone Control Panel with Built-In Keypad

L-4PCBA

4/8 Zone Control Panel, PCBA version

L-6PCBA

6/12 Zone Control Panel, PCBA version



INTRUSION



L-4C



4 to 8 Zone Light Intrusion Control Panel

L-6C



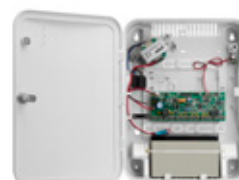
6 to 12 Zone Light Intrusion Control Panel

L-4D



6 to 12 Zone Light Intrusion Control Panel

L-6D



6 to 12 Zone Light Intrusion Control Panel

AURASYS™ LITE SYSTEM KEYPADS

The AuraSys™ Lite panels are compatible with a range of system MatrixBUS™ keypads, including the new, super user-friendly, elegant LED and LCD 8- and 12-zone keypads. Stylish and compact design, LED, LCD and LCD with dot-matrix area keypad units are available in the following series:

- KE-0x with LED indicators
- KC-0x with an LCD display area
- KD-0x with an LCD display and a dot matrix area for alarm indication

* x stands for 4 or 6

KE-04



8 Zone LED Keypad

KC-04



8 Zone Icon LCD Keypad

KD-04



8 Zone Icon LCD Keypad with Variable Text Area

KE-06



12 Zone LED Keypad

KC-06



12 Zone Icon LCD Keypad

KD-06



12 Zone Icon LCD Keypad with Variable Text Area



■ AURASYS™ PRO PROFESSIONAL ALARM PANEL

The compact AuraSys™ Pro is an advanced system for residential and light commercial market, featuring expandable hardwire intrusion alarm. It enables control over other systems and appliances such as garage doors, lights, heating, air conditioners and more through the expandable PGM outputs.

AuraSys™ Pro Security System technology affords you reliability, security and protection. Its simple user-interface provides access to powerful features without having to remember complicated codes. AuraSys™ panels are compatible with Rosslare Security MatrixBUS™ protocol products, enabling seamless operation with a wide variety of compatible accessories and expansion products.

General Features

- 6 Onboard zones (max. 12 with doubling), expandable up to 16 zones
- 2 O.C. Onboard PGM outputs, expandable up to 6 PGM outputs
- 1A Supervised sounder output
- 700mA Aux output
- Fuseless Power & Aux. Protection
- 16 User codes + 2 Master users
- 2 Partitions + common partition
- Advanced false alarm prevention features
- Built-in phone dialer and battery charger
- 8.5" x 8.5" (21.6 x 21.6 cm) Metal enclosure
- Supports 2-wire and 4-wire smoke detector types
- Overvoltage protection and Undervoltage battery protection
- Dynamic battery test
- Continuous AC test
- Communications self test (programmable)
- Memory key (MD-63) 6 different configurations
- Bell over current protection
- 256 Nonvolatile event log size

Communication Features

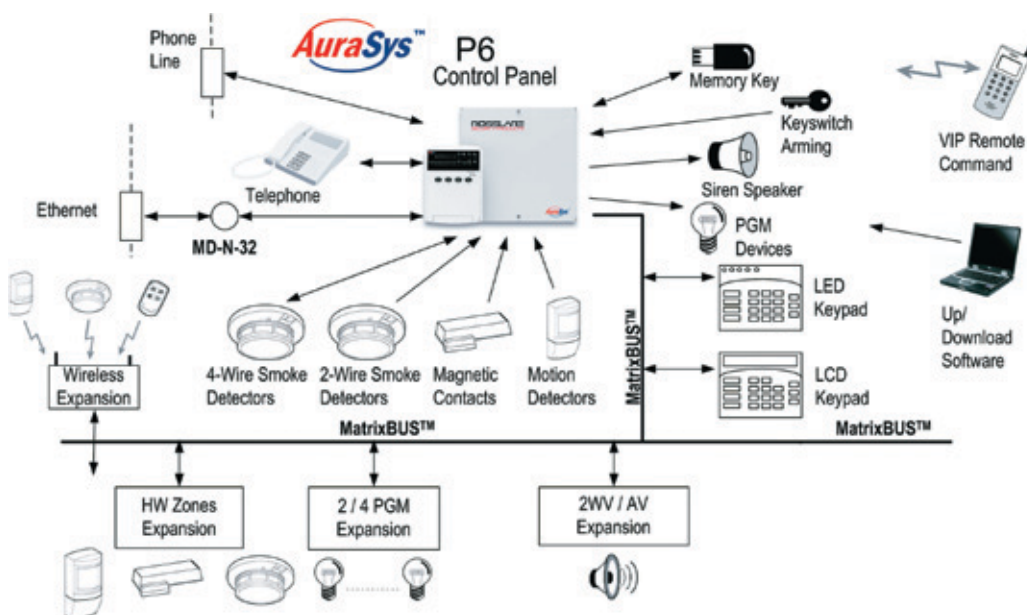
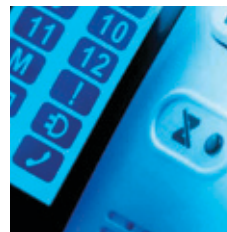
- 2400 baud, fast, built-in Modem
- PC Up/Download Customer management SW
- RS-232 serial adaptor for local programming (optional)
- Supported protocols: Contact ID
- Remote programming via external Modem
- On-board Telephone line ports (Line & Phone)

AuraSys™ Lite



AuraSys™

INTRUSION



MatrixBUS™ architecture and options

Specification	AuraSys™ P6
On-board zone inputs	6
Zone doubling	12
Max. Supported zones (including expansions)	16
Access codes	16 Users 2 masters and 1 installer codes
Partitions	2 + Common
Event log size/partition	256
On-board PGM outputs	2 x 150mA
Max. PGM supported outputs	2 on-board; 2 to 4 external
Supervised Siren output	10k EOL, 2A max
Sounder modulation types	2 (Fire, Regular Alarm)
Auxiliary power output	1 x 700mA
Addressable keypads	4
Wireless keys supported *	8
Central station account numbers, per partition	2
Private telephone numbers per partition	3

* With XR-16 wireless expansion

Specification	AuraSys™ P6
Input Voltage	230 VAC ± 10%
Battery Capacity	4 A/hr
Battery Lifetime	5 years
Battery Back-up	4 hr min.
Battery Recharge Period	72 hr max.
Dimensions H x W x D	220 x 226 x 81 mm (8.661 x 8.898 x 3.189 inch)
Weight	3Kg (6.614 lbs)
Modem	2400 bauds

AuraSys™ P6



Hardwire Alarm Control panel

AURASYS™ PRO SYSTEM KEYPADS

Rosslare developed LED and LCD keypads for local programming and user activity. Two more keypads are available with the AuraSys™ voice module, enabling voice interactive operation, two-way voice communications, listen-in options and voice-message recording.

AuraSys™ MatrixBUS™ KC-16



LCD 16 zone, 2-partition Keypad



AuraSys™ MatrixBUS™ KE-16



LED 16 zone, 2-partition Keypad



MD-66



Voice module for KC-16 keypads, enables voice announcements, works with MD-64

Specification	KE-16	KC-16
Input Voltage	13.6 VDC	
Input current	40mA Standby 70mA scrolling Mode	40mA Standby 300mA Scrolling Mode
Indication	Ready, AC and function LEDs	Ready, AC and function LCD
Operating temp. range	-10° C 50°C (14°F to 122°F)	
Operating humidity	0-95% (Non-Condensing)	
Dimensions H x W x D	150 x 110 x 30 mm 5.9 x 4.33 x 1.18 inch	150 x 110 x 30 mm 5.9 x 4.335 x 1.18 inch
Weight	238g (0.525 lbs)	258g (0.569 lbs)



SYSTEM EXPANSIONS

- The AuraSys™ system has several optional expansions available such as PGM, Zones, Voice Module, and Wireless Module
- Suitable for Indoor use only
- Operating temperature range of -10°C to 50°C (14°F to 122°F)
- Operating humidity range of 0 – 95% (non-condensing)
- All MatrixBUS™ expansions are available for panel on-board mount or with separated tamper-protected enclosure



AuraSys™ MatrixBUS™ XO-02



2 PGM expansion

AuraSys™ MatrixBUS™ XO-04



4 PGM expansion

Specification	XO-02	XO-04
Output relays	2 Form-C	4 Form-C
Maximum Input Current	35mA	
Output Relay Voltage:	12VCD	
Output Relay Current:	5A maximum	
Indication	Green LED	
Dimensions H x W x D	101 x 99 x 35mm (3.976 x 3.898 x 1.378 inch)	
Weight	146.5g (0.323 lbs)	160g (0.353 lbs)

Peripherals Compatibility

Expansion	P-6	L-4/6
XO-02	√	
XO-04		√
XI-04		√
XI-08		√
XR-16		√
XR-16A	√	√
MD-66	√	
MD-64	√	
MD-63	√	
MD-62	√	√

AuraSys™ MatrixBUS™ XI-04



4 hardwire zone expansion

AuraSys™ MatrixBUS™ XI-08



8 hardwire zone expansion

AuraSys™ MatrixBUS™ XR-16/XR-16A



Wireless Expansion
This wireless expansion transforms the system from a hardwired system into a hybrid system. The Expansion is a two way RF communicator which allows connection to Wireless Sensors, Sirens and Remote controls. With up to 10 zones, 8 remote controls and 4 wireless sirens this expansion is truly a powerful addition to your system. XR-16 is compatible with AuraSys™ Pro panels only. XR-16A is compatible with AuraSys™ Lite panels only.
Available models:
- XR-16G / AG (433.92 MHz)
- XR-16H / AH (868.35 MHz)

AuraSys™ MatrixBUS™ MD-64



Voice module
The MD-64 Voice Controller module manages the voice control for the AuraSys™; it is required in order to operate the voice enabled keypads. This unit provides:
- Voice prompts for keypads with MD-66
- Interactive voice menus for private phones
- Recording and playing voice messages

Specification	XI-04	XI-08	XR-16/A
Maximum Input Current	35mA		55-75mA
LED Indication	Green		Red
Dimensions H x W x D	101 x 99 x 35 mm (3.976 x 3.898 x 1.378 inch)		
Weight	138g (0.3 lbs)	143g (0.32 lbs)	



SYSTEM ACCESSORIES

AuraSys™ MatrixBUS™ MD-62



Serial Communications Adapter for AuraSys™ and HomeLogiX (HLX-40) Panels, for direct PC link and integration purposes

AuraSys™ MatrixBUS™ MD-63



Memory Key for AuraSys™ P6

Features

- RS-232 Interface – when working with PC
- Up to 6 memory fields for 6 different site configurations selected either by the Software or by Dipswitch
- Designated memory field for automatic update of the current panel configuration, (can be used for checking and verification the current configuration before changing it)
- LEDs for status (green) and trouble (red) indication
- Small size

Specification	MD-63
Input power	12VDC
Maximum input current	35mA
Indicator LED's	2 LED's, Red and Green
Dimensions H x W x D	83 x 47 x 22 mm 3.27 x 1.85 x 0.87 inch
Weight	40g (0.088 lbs)

■ AURASYS™ REMOTE PROGRAMMING SOFTWARE

The AuraSys™ Remote programming has been developed for configuring the AuraSys™ Security System. The program can communicate with the system directly, via a serial programming interface (RS-232) locally or remotely through telephone lines. The completed configuration data can be downloaded to the control panel directly via a memory key.

Features

- Local/Remote parameter configuration
- Local/Remote firmware upgrading
- Date/time up/downloading
- Event Log review and deletion
- Multi-panel configurations control and managing
- Default parameters resetting
- Three user levels, installer, master and user
- Multi-lingual support

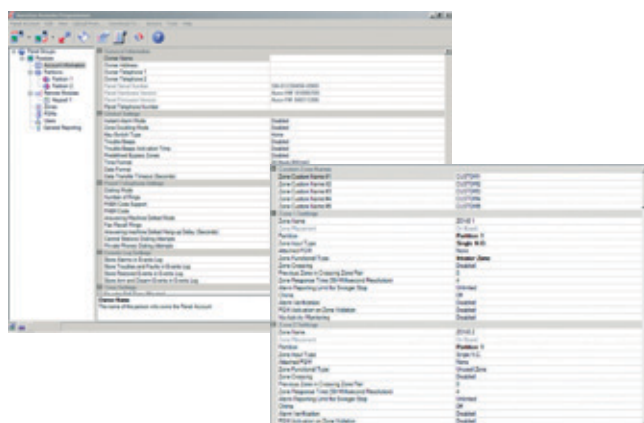
Computer environment

- Operating system: Windows® 98 / 2000 / XP / 7
- Serial COM ports
- RS-232 to TTL converter (MD-62)

Software environment

- Internet Explorer version 5.01 or higher
- Microsoft .NET Framework 1.1

AuraSys™ AR-P01



Remote Programming PC software Package
Compatible with AuraSys™ P6

- AR-P01 compatible with AuraSys™ Pro P6
- AR-P02 compatible with AuraSys™ Lite L-2, L-4, L-6 panels



HARDWIRE DETECTORS

Rosslare's hardwire line covers a vast range of detectors and sensors featuring many innovative technologies, solutions and mounts. We offer different types of motion detectors for different environments including; standard PIR's, pet immune, advanced PIR's, microwave and several mounting and design options, as well as several magnetic sensors and beam sensors.

PIR MOTION DETECTORS

- Advanced micro-controller electronics and advanced algorithms for superior movement speed spectrum analysis
- Digital dual slope (+/- 1°C) Temperature compensation
- Input/output Line protection: For added resistance to transient shock, ESD, and RFI interference
- Input voltage reverse polarity protection
- Operating temperature range of -10°C to 50°C (14°F to 122°F)
- Operating humidity range of 0 - 95% (non-condensing)
- >20 V/m up to 1000 MHz RFI Protection
- Suitable for Indoor use only

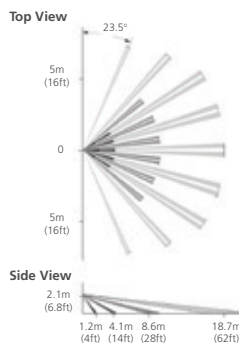
WALL MOUNT PIR MOTION DETECTORS

- Walk Test Mode: Detection is indicated by a red LED (enabled or disabled) with an internal jumper for additional security
- Walk Test activation by external button press - no need to open the detector

SA-01-W



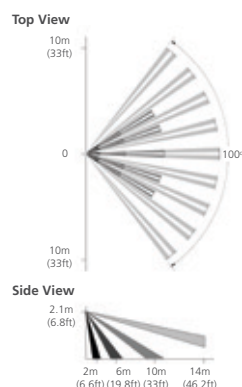
Hardwire PIR Detector



SA-01-WL



Advanced Hardwire PIR Detector

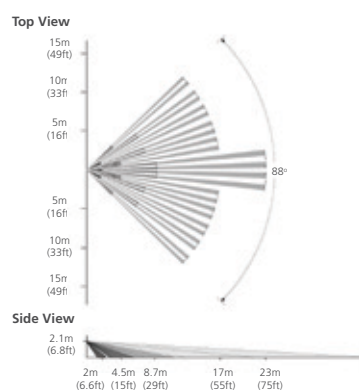


SA-01-PW



Hardwire Pet Immune PIR Detector

- Power Level Discriminator: Special lens combines power algorithm, ignores small to medium sized animals while maintaining a high level of Human detection



Specification	SA-01W	SA-01WL	SA-01PW
Lens type and Coverage	14 x 14 m (45.9 x 45.9 ft) Standard wide angle lens	14 x 14 m (45.9 x 45.9 ft) High density Polyethylene type with white light Protection optical filter	14 x 14 m (45.9 x 45.9 ft) PET immune multi-zone, high density Polyethylene type with white light Protection optical filter
Vertical Adjustment	By slot (+/-2°)		
Detector type		Dual PYRO (IR filter 5 um±14um)	
Input Voltage	9-14 VDC	9-16 VDC	9-16 VDC
Current	14mA@12VDC nominal	10mA@12VDC nominal	10mA@12VDC nominal
Alarm Signaling	1 second LED on	2 second LED on (jumper enabled)	2 second LED on (jumper enabled)
Alarm Output	From A, 28 VDC, 90 mA max.	SSR N.C (35V/100ma max)	
Sensitivity	2 levels Harsh or Normal	3 levels fuzzy logic (jumper setting)	2 levels fuzzy logic (jumper setting)
Pet Immune	N/A	N/A	Up to 25kg
Supervisory Signals	N/A	Electronic malfunction and temperature out of range (Flashing LED)	
Tamper Protection		Cover and optional back tamper	
Dimensions H x W x D		90 x 65 x 52 mm 3.5 x 2.5 x 2.2 inch	
Weight	96g (0.21 lbs)	84.2g (0.19 lbs)	



PYR-0021



- Advanced Mini Hardwire PIR
- Optional Curtain adaptor for narrowed detection
 - SSFL technology (look down)

PYR-1021



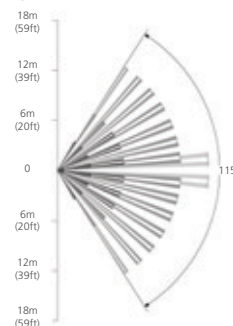
- Advanced Midsized Hardwire PIR
- Optional Curtain adaptor for narrowed detection
 - SSFL technology (look down)

PYR-2021

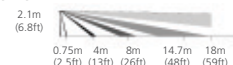


- Advanced Hardwire PIR
- Curtain adaptor for narrowed detection
 - SSFL technology (look down)

Top View



Side View



Specification	PYR-0021	PYR-1021	PYR-2021
Lens Type and coverage	Spherical lens, 115°, 14 x 14 m (46 x 46 ft)		
vertical adjustment	No		
Input voltage	9-16 VDC		
Input Current	15mA @ 12VDC nominal		
Indication	Red LED		
Alarm Signals	LED 3 seconds on, Relay Output		
Relay Output	35VDC 100mA max N.C.		
Detector	Dual PYRO Elements (IR filter 5 um÷14um)		
Sensitivity modes	2 interchangeable modes, low and high		
Dimensions H x W x D	70 X 70 X 64 mm 2.7 x 2.7 x 2.5 inch	107 X 80 X 63 mm 4.2 x 3.15 x 2.48 inch	127 X 80 X 63 mm 5 x 3.15 x 2.48 inch
Weight	70g (0.15 lbs)	100g (0.22 lbs)	112g (0.25 lbs)

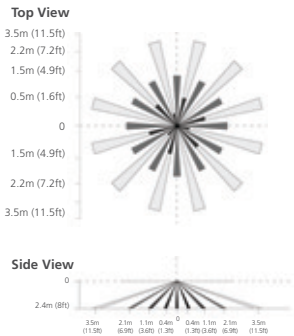
CEILING PIR DETECTOR

PYR-3021



Hardwire Ceiling PIR Motion Detector

- Extra wide, free height installation, with no PCB adjustment required



Specification	PYR-3021
Lens Type and coverage	High density Polyethylene type, 7m (23 ft) diameter at 2.4 M (7.874 ft) height
Optical Filter	White light Protection
Input Voltage	9-16 VDC
Input current	10mA @ 12 VDC Nominal
Detector Type	Quad-matrix PYRO IR element (IR filter 5um÷14um)
Alarm Signaling	Red LED 2 seconds on (push button setting)
Alarm Output	Solid states relay (SSR) N.C (35V/100mA max)
Sensitivity	3 levels fuzzy logic (jumper setting)
Temperature Compensation	Digital dual slope (+/- 1°C)
Tamper Switches	Back and front Cover tamper
Supervisory Signals	Electronic malfunction, temperature out of range (by flashing LED)
Dimensions H x D	30.85 x 70.7 mm (2.783 x 1.215 inch)
Weight	84g (2.96 oz.)

DUAL/MICROWAVE DETECTORS

PYR-2023



Dual PIR / Microwave Motion Detector with Anti-Masking

Supervised hardwire PIR and microwave detector, comprised of SMD components as well as advanced flash microcontroller, and an A-to-D signal analyzer with temperature compensation, making it ideal for both residential and commercial use.

- SSFL technology (look down)
- Selectable pulse counting
- Anti masking
- Automatic mode select

INTRUSION



Specification	PYR-2023
Lens type	Proprietary spherical type
Field of view	115°
Max. coverage	12 x 12 m (39 x 39 ft)
Microwave detector	Doppler Technology
Frequency	10.525 GHz
Power output (min.)	13 dBm EIRP
Input Voltage	9 -16 VDC
Input current	30mA @12 V DC Nominal
LEDs	3 LEDs
Tamper switches	Cover tamper and optional back tamper (jumper-selectable)
Supervisory signals	IR masking signal, trouble output (35V DC100mA max, N.C.)
Alarm signals	Red LED 2 seconds, alarm output (35V DC100mA max N.C.)
IR detector	Dual-element low-noise pyroelectric sensor
Microwave technology	DRO
Sensitivity modes	2 interchangeable modes, low and high
Dimensions H x W x D	127 x 80 x 63 mm (5 x 3.15 x 2.48 inch)
Weight	130g (0.287 lbs)

BEAM SENSORS

SH-61



30 Meter beam sensor

SH-62



100 Meter beam sensor

Specification		SH-61	SH-62
Detection Method		Infrared photoelectric	
Protection range	Outdoor	30 m	100 m
	Indoor (max)	90 m	300 m
Beam characteristics		Pulsed infrared dual beams	
Response time		50-700 ms (selectable)	
Power input		12~25VDC / 11~18VAC	
Current consumption		40mA Max	65mA Max
Alarm output		Relay contact form C contact rating 30V AC/DC, 0.5 A Max.	
Tamper		N.C cover tamper switch on receiver	
Optical alignment adjust Horizontal		±90°	
Optical alignment adjust Vertical		±5°	
Mount type		Wall or Pole	
Operating environment		indoor or outdoor installation	
Operating temperature		-25 to 55°C (14 to 122°F)	
Operating humidity		0 to 95% (non-condensing)	
Dimensions H x W x D		171 x 82 x 77 mm (6.732 x 3.228 x 3.031 inch)	
Weight (each unit, receiver & transmitter)		300g (0.661lbs)	

MAGNETIC CONTACTS

SH-02



Surface Mount
Magnetic Contact

SH-12



Press fit Magnetic Contact

Specification	SH-02	SH-12
Mount type	Surface mount	Press Fit
Mounting	Screw	Recessed
Switch Rating	28V @ 1.0A	28V @ 1.0A
Resistance	0.3 Max	0.3 Max
Gap	19 mm	19 mm
wiring	Screw Terminal	450 mm/AWG#22 Wire
Dimensions	50 x 9.5 x 7.7 mm	32 mm x Ø11 mm widest (Ø8.6 mm narrow)



HARDWIRE SIRENS

SA-81

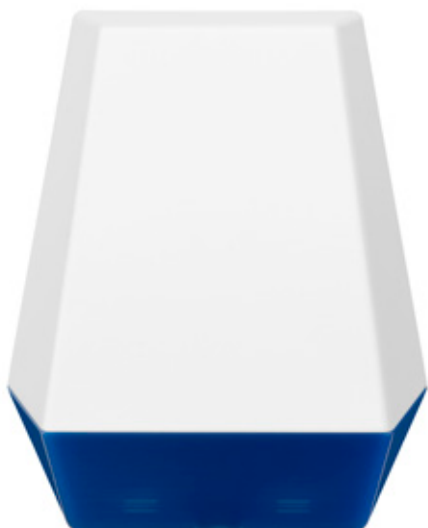


Hardwire Siren and Strobe Annunciator

- Generates different sound signals types for burglar and fire
- Built-in Strobe lamp
- Sound volume control
- Outdoor design, weatherproof at IP34 Level
- Cover and wall tamper switches
- Supplied with Rechargeable backup 1.3Ah SLA battery
- N.O/N.C selectable alarm inputs
- Selectable auto-shutdown of 5 or 15 minutes

Specification	SA-81
Operating range	14 to 18 VDC
Rated Current	600mA
SPL	103 dB @ 1m
Flashes/minute	Programmable
Dimensions H x W x D	250 x 250 x 90 mm 9.843 x 9.843 x 3.543 Inch
Weight	3Kg (6.614 lbs)

SA-95



Hardwire Mini Piezoelectric Siren

- Piezo siren with strobe
- Small footprint

Specification	SA-95
Operating range	6-14 VDC
Rated Current	150mA
SPL	85dB @ 100cm
Strobe Type	Ultra bright LED array
Dimensions H x W x D	100 x 130 x 50 mm 3.9 x 5.1 x 2 Inch
Weight	200g (70 oz.)

WIRELESS INTRUSION

Rosslare's broad range of wireless security solutions meets your security requirements and supports most common industry standards. Our adjustable RF power/frequency at 433.92MHz (G series) and 868.35MHz (H series) products enable customization to most national requirements.

All of our wireless products feature an Anti-collision proprietary RF protocol with approximately 16 Million random ID codes. They all come fully supervised ensuring advanced security.

WIRELESS CONTROL PANELS

The HLX-40 family, new and improved version of the HomeLogiX panel, now adds numerous features such as firmware upgrade and language selection, optional GSM communications and selectable panel designs.



HomeLogiX™ HLX-40



HomeLogiX Classic (HLX-40)



HomeLogiX Motion (HLX-40A)



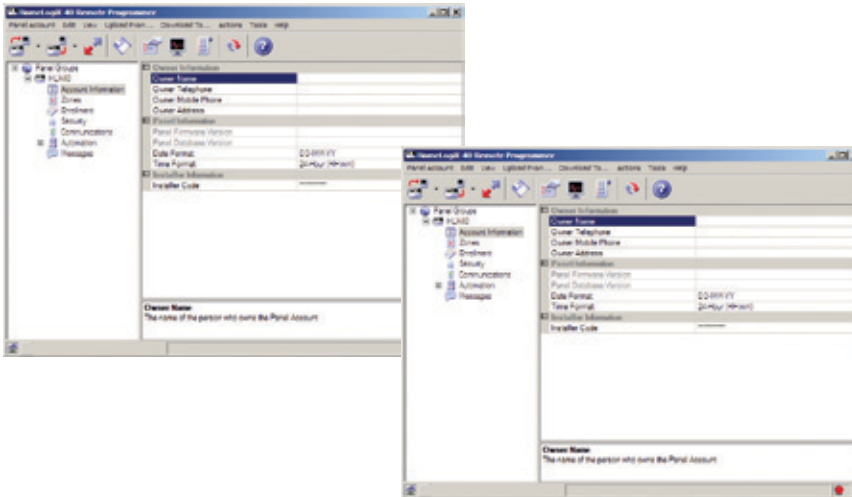
HomeLogiX Frame (HLX-40A)

Advanced Wireless Security Panel

- 39 Wireless zones + 1 hardwire zone & tamper
- 20 User codes + 1 master code + installer code
- Voice interactive system
- RF signal strength detection, anti-jamming
- 2 programmable O.C. PGM outputs
- Support wireless sirens, Internal siren, and wired output for external siren
- History log with capacity of 128 events
- Built-in PSTN dialer & modem
- Contact ID reporting
- 2 Central station numbers, accounts and selectable reporting options
- 3 Private reporting numbers
- User messaging
- Scheduled arming
- 2-Line LCD display
- Telephone voice menu
- Programmable transmitter buttons
- Bi-directional RF communications
- Supports 8 keyfobs, 4 repeaters, 4 sirens and 4 keypads without occupying zones
- Advanced testing and maintenance features
- Optional GSM communicator module (MD-CC101) for CMS and private reporting
- Firmware update (local and remote)
- Flexible, memorized bypass mechanism
- 4 built-in, user-selectable languages (text and voice)
- Compatible with Rosslare's wide range of wireless devices at 868.35 MHz (H-series) and 433.92 MHz (G-series)



HomeLogiX™ HR-P02 software



Up/Download and Configuration PC Software

- Local and remote connection
- Full panel configuration
- Multi-site management
- On-line system status
- On-line control for arming, PGM and other operations
- Off-line detector enrollment
- Highly easy to operate user interface
- Multi-lingual support

ELDERLY SECURACARE™

The **Elderly SecuraCare™** SP-03V2 combines an advanced personal emergency response device with a high performance security system, all embedded into a multi-featured desktop speakerphone. Large backlit keys, ultra-sensitive speaker/microphone, voice communications (initiated by a wireless emergency key), and programmable medication reminders make it perfect for the elderly or individuals requiring personal care and assistance. With 16 zones, 8 transmitters, wireless appliance control, TCP/IP and telephony reporting, two-way voice and other features it is the complete solution for emergency response and security.

Elderly SecuraCare™
THE ELDERLY PHONE

SP-03V2



Professional Wireless Elderly Assist combined with alarm system

- 16 wireless security zones, 8 emergency / remote control transmitters
- TCP/IP and Telephony for reporting, USB 2.0 for local PC connection
- Fully programmable 8 Medication Reminders per day, with programmable / recordable textual and audio alerts and acknowledgement verification
- Compatible with Rosslare's wide range of Wireless Devices at 868.35 MHz (H-series) and 433.92 MHz (G-series)
- Private Telephone number reporting, with call listen-in and 2-way voice options
- Alarm clock with acknowledgement verification
- RF Diagnostic Test Mode for installation
- Line override (in emergencies) for busy or off-hook statuses for incoming and outgoing calls
- Arming/Disarming via user codes, wireless transmitters, and remote keypads
- Remote telephone voice-guided menu
- Vocal and visual announcements
- Day/night modes, automatic daytime saving adjustment

Specification	SP-03V2
Input Voltage	13.8 VDC, 800mA from an AC-DC transformer
Backup Battery	Supports: BT-05 12VDC, 800mAh and BT-16 12VDC, 2Ah
Input Current	Standby: 120mA Maximum: 500mA
RF Frequency	433.92MHz (G Series), 868.35MHz (H Series)
Antenna Type	Printed PCB type antenna
Display	2 Lines x 16 Characters LCD with backlit
Indicators	Line/Hook and Arming status LED Indicators, Internal Sound and voice system
Medication Reminders	8 Programmable reminders, 8 Repetitions / selected days, programmable / recordable audio-textual alerts, acknowledgement verification and reporting
Arming Modes	Home, Away, and 24-hours for emergency, no-activity per zone
Arm/Disarm Input	4-digit PIN code entry, Remote controls or remote keypad (code or RFID)
Security Zones	16 Zones. Interior, Delay and Emergency (24 Hours), silent option, Fire 24H
Programmable Devices	16 wireless detectors, 8 transmitters, 4 sirens, 4 repeaters, 4 keypads
Event history log	Non-volatile 128 events with filtering options
CMS Support	2 programmable numbers, Contact-ID format and emergency override over TCP/IP, Telephony
Private Phone Numbers	3 programmable numbers
Line scissor	Smart line scissor, local wired
PC software	PC software for management/configuration/control using the local USB 2.0 port or remotely using TCP/IP or telephone line
Listen-In Support	2-way voice session (code protected)
Comfort	Day/night modes, automatic daytime savings adjustments
Advanced features	Alarm clock (verified acknowledgement), phone book, answering machine, 10 quick-dial numbers
Operating Environment	Indoor Use
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	0 to 95% (Non-condensing)
Dimensions H x W x D	220 x 140 x 48 mm (8.7 x 5.5 x 1.9 inch)
Weight	595g (1.3 lbs) without battery

SA-33S

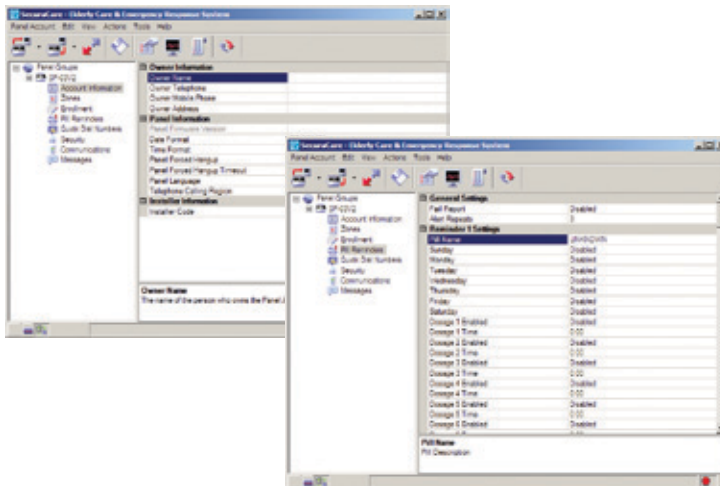


Wireless Emergency Transmitter / Remote Control

- Compact, light, attractive, hand-held transmitter designed for the Elderly SecuraCare™ system
- Large, centered, easy-to-operate emergency button, shield shape is recessed to eliminate accidental activation
- Sealed, soft-touch rubber buttons, with icons for arm home, arm away, disarm, appliance control, and emergency
- Water-resistant, meets IP65
- Standard, replaceable CR2450 battery provides over four years of operation under normal conditions
- Thin light bar visual indicator
- Key-chain ready



SecuraCare™ AR-P103 software



Remote Programming PC software for the SecuraCare SP-03V2 system

- Local (USB) and remote (PSTN, Internet) connection
- Full system configuration
- Multi-site management
- On-line system status
- On-line control for arming, PGM and other operations
- Easy to operate user interface
- Multi-lingual support

WIRELESS UNIVERSAL RECEIVERS

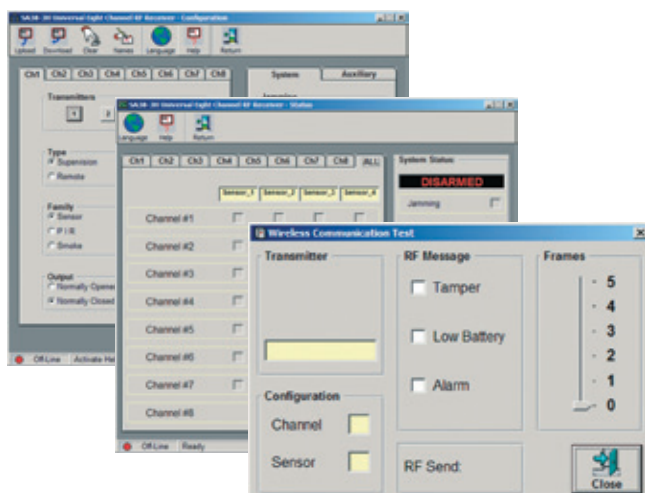
SA-38



Universal 8 Channel Receiver

- Receives RF (alarm and trouble) signals and converts them to wired switching signals for hardwire alarm systems
- Arm/disarm input
- 32 sensors, 8 RF channels with up to 4 RF sensors each
- 8 Relay outputs, programmable N.O or N.C
- 4 Trouble relay outputs: tamper, low battery, supervision fault and RF jamming
- 50 non-volatile event log history (FIFO)
- User/programming MMI with two-LED digit display, 4 navigation keys, 6 status 3-colored LED indicators
- Back tamper switch
- Full supervision of RF sensors
- External 13.8VDC/800mA transformer for battery charging
- Internal charger and 6V lead-acid rechargeable backup battery
- Automated battery test

AS-38



Configuration Software for SA-38

- Full configuration up/download and setup
- Enrolling management
- Event log download and display
- RF test
- Online system status
- Channel bypass control
- Online system control
- Serial communications using MD-14 converter

SA-22



Universal Two Channel Receiver

- Receives RF (alarm and trouble) signals and converts them to wired switching signals for hardwired alarm systems
- 6 sensors, 2 RF channels with up to 3 RF sensors each
- Arm / Disarm input
- 2 Relay outputs, programmable N.O or N.C
- Auxiliary relay output, programmable for different trouble alerts
- Local setup using two buttons and three 3-color LED indicators
- Back and cover tamper switches

AS-22



Configuration Software for SA-22

- Channels / sensors configuration
- Outputs configuration
- Enrolling management
- RF test
- Online status
- Serial PC communications using MD-14 interface



WIRELESS SENSORS

WIRELESS PIR DETECTORS

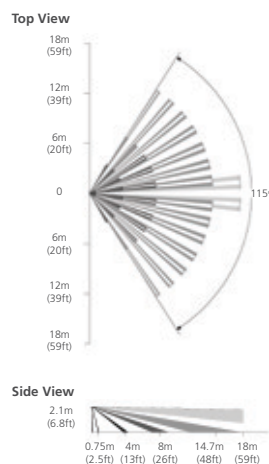
- Exchangeable Fresnel lenses: Standard, Long Range and Curtain
- Integral RF antenna
- Using CR123 - 3V, 1300mAh Lithium battery, over 3 years battery life

PYR-2011A



Advanced Wireless Spherical Lens PIR Detector

- Unique spherical Fresnel lens with look-down area, 14m range at 115°
- Attractive spherical design
- Standard, long range and curtain replaceable lenses
- Continuous monitoring: Sends visual alerts in case of malfunction (digital and analog) and temperature alerts if the environment temperature is out of range

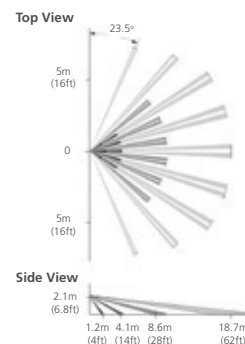


SA-01



Wireless Passive Infra-Red Detector

- Digital signal processing
- Digital Temperature compensation
- Detection range (standard lens) of 14m, 140°
- Static & dynamic battery saving modes
- Pulse selection: 1 or 2 pulses
- Reported events: tamper, low battery, alarm
- LED indicator / Test mode button
- Continuous monitoring: Sends visual alerts in case of malfunction (digital and analog) and temperature alerts if the environment temperature is out of range

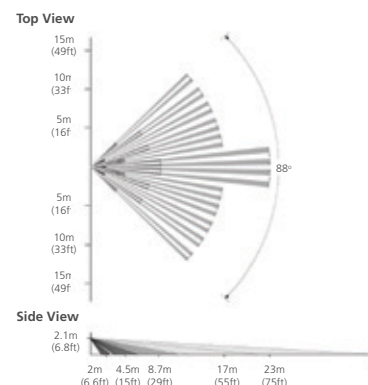


SA-01P



Wireless Pet Immune Passive Infra-Red Detector

- Energy detection system: By using fuzzy logic algorithms, detection is improved and false alarms are reduced
- Power Level Discriminator: Special lens combined with a power algorithm ignores small to medium sized animals while maintaining a high level of Human detection
- Digital Electrical and Magnetic Protection: Distinguishes between electrical interference and real temperature changes
- Adaptive filter: Compensates for changes in a detected object's speed
- Continuous monitoring: Sends visual alerts in case of malfunction (digital and analog) and temperature alerts if the environment temperature is out of range
- Digital Temperature compensation
- Reported events: tamper, low battery, alarm
- LED indicator / Test mode button
- Detection range (standard lens) of 14m, 88°
- Static & dynamic battery saving modes

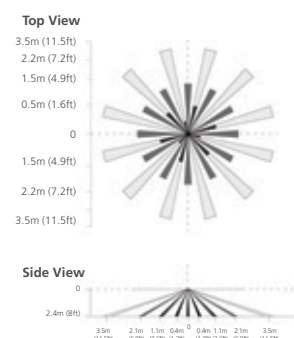


PYR-3011



Advanced Wireless Ceiling PIR Motion Detector

- Energy detection system: By using fuzzy logic algorithms, detection is improved and false alarms are reduced
- Digital Electrical and Magnetic Protection: Distinguishes between electrical interference and real temperature changes
- 3 levels sensitivity select
- Adaptive filter: Compensates for Changes in a detected object's speed
- Continuous monitoring: Sends visual alerts in case of malfunction (digital and analog) and temperature alerts if the environment temperature is out of range
- Digital Temperature compensation
- LED indicator / Test mode button
- Detection range 7m (23ft) diameter 360° @ 2.4M (7.874ft) height
- Static & dynamic battery saving modes



Specification	SA-01	PYR-2011	PYR-3011	SA-01P
Standby Input Current	15μA	15μA	15μA	15μA
Maximum Input Current	14mA	14mA	14mA	14mA
Operating Temp. Range	-10°C to 50°C (14°F to 122°F)			
Operating Humidity	0 to 95% (non condensing)			
Dimension H x W x D	106.5 x 30.85 x 70.7 mm 4.192 x 1.214 x 2.78 inch	127 x 80 x 63 mm 5 x 3.15 x 2.485 inch	106.5 x 30.85mm 4.192 x 1.214 inch	106.5 x 30.85 x 70.7 mm 4.192 x 1.214 x 2.78 inch
Weight	89g (2.97 oz)	112g (3.95 oz)	106g (3.74 oz)	106g (3.79 oz)



■ WIRELESS MAGNETIC CONTACTS AND UNIVERSAL TRANSMITTERS

SA-32/S



Compact Cylindrical Wireless Magnetic Contact and Shock Sensor

- Ultra small footprint 60 X 16 mm (2.36 x 0.63 inch) diameter
- 2-reed switch magnetic contact sensor
- Vibration and tilt sensor
- Long battery life — up to 2 years
- Easy to replace battery
- Transmits supervision message every 20 minutes
- 2 sensitivity levels and transmission modes
- Installed as recessed or on the door/window frame

Specification	SA-32
Battery	2 x LR44 (or equivalent) 1.5V 105mAh Alkaline cell
Battery life	2 years (avg. 50 transmissions per day)
Input Current	Standby: 5 μ A, Maximum: 38 mA
Magnetic Sensor	2 reed switches Located in front & side of the sensor
Magnetic Sensor Detect Range	2.5 to 3 cm (depends on surface mount)
Shock Sensor Type	Omni directional tilt and vibration sensor
Shock Sensor effective detection range	1.5 meters (4.9 feet)
Test mode	2 min at start up or 1 min on demand
Tamper detection	On disconnect from wall On attempt to remove PCB from case
Range	100 m (328 ft.) on open space
RFI Protection	>30V/m up to 1Ghz
Operating Temperature	10°C to +50°C (14°F to +122°F)
Operating Humidity	0% to 95% (non condensing)
Dimensions (Length x Diameter)	60 X 16 mm (2.36 x 0.63 in.)
Weight	15 g (0.53 oz) including batteries

SA-02



Wireless Magnetic Contact Sensor

- Local magnetic door / window sensor
- External sensor terminal contacts
- Case and back tamper detection
- LED indicator
- Integral RF antenna
- 3V, 1300mAh Lithium battery operated for over 2 years of battery life

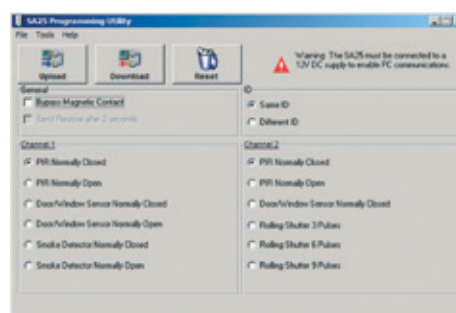
SA-25



Dual Input Programmable Wire to RF Transmitter

- Built in magnetic sensor, with open / close event transmission
- Two universal, programmable N.O and N.C inputs
- Case and back tamper detection
- Input pulse filtering
- Locally programmable or using AS-25 PC software
- 3V, 1300mAh Lithium battery operated for over 2 years of battery life

AS-25



Configuration/Monitoring Software for SA-25

- RS-232 communication to PC
- Inputs 1, 2 N.O or N.C, pulse count and device type (smoke, PIR, door/window) setup
- Input 3 (magnet) enable / disable
- Same or different ID for all channels
- Magnet restore signal - timed (2 seconds) or when on close



■ WIRELESS GLASS-BREAK AND VIBRATION SENSORS

SA-19



Wireless Glass Break Sensor

- Sentrol pattern recognition sensor
- 3V, 1300mAh Lithium battery, over 4 years battery life
- 6 Meters (20') detection range
- Cover tamper

SA-20



Wireless Vibration Detector

A sophisticated wireless pre intruder detector. Combines 3 types of sensors: vibration, movement and magnetic. Together it provides the highest degree of security.

- Special integrator algorithm monitors the area all the times and seeks specific patterns
- Self calibration mechanism
- 3 interchangeable Sensitivity modes
- 3 interchangeable Alarm modes
- Reported events: Alarm, Calibration Trouble, Low Battery
- Walk radio test
- Battery level detection
- Static & dynamic battery saving modes
- Highly Flexible, select the desired sensor, degree of sensitivity and transmission mode

Specification		SA-20
Battery		CR2477
Battery voltage & capacity		3V, 1000mAh
Input Current		Standby: 20μA, Maximum: 14mA
Signaling type		Green, Red, Yellow LEDs
Sensors	Vibration	Ceramic Piezo element
	Movement	Non position ball actuator motion sensor
	Magnetic	Reed switch
Operating Environment		indoor use
Operating Temperature		-10°C to 60°C (14°F to 140°F)
Operating Humidity		0 to 95% (Non-Condensing)
Dimensions H x W x D		110 x 35 x 27.5 mm (4.33 x 1.38 x 1.08 inch)
Weight		48g (1.69 oz)

■ WIRELESS SMOKE & HEAT SENSORS

Rosslare's new line of smoke and heat detectors with a highly reliable wireless technology, provide the ultimate protection for residential and commercial applications. Encased in a compact elegantly designed shell, the smoke and heat detectors provide the most reliable, convenient and cost effective solution for heat and fire detection. Rosslare's smoke and heat detectors can be mounted on walls or ceilings, quickly installed and easily maintained, function as standalone sensors (optional); they preserve the beauty of your property while protecting it twenty-four hours a day, seven days a week.

Features

- Two 9V Alkaline batteries for the detector and base, over 2 years battery life
- Local alarm sounder
- LED indicator for transmissions
- Detector removal tampering and low battery messages

SA-14



Wireless Optical Smoke Detector

SA-15



Wireless Ionization Smoke Detector

SA-16



Wireless Maximum Heat Detector

SA-17



Wireless Maximum Heat Rise Rate Detector

INTRUSION



Specifications	SA-14	SA-15	SA-16	SA-17
Detection	1.9% ± 0.6%	1.9% ± 0.6%	70°C ± 5°C (158°F ± 9°F)	12°C / min or 70°C ± 5°C (53°F / min or 158°F ± 9°F)
Maximum Current	48mA	48mA	15mA	15mA
Standby Current	10µA			
Operating Temperatures	0°C - 60°C (32°F - 140°F)			
Operating humidity	10% to 90% (Non-Condensing)			
Dimension H x W x D	48 x 107 mm 1.89 x 4.21 inch	48 x 107 mm 1.89 x 4.21 inch	50 x 107 mm 1.97 x 4.21 inch	48 x 107 mm 1.89 x 4.21 inch
Weight	103g (3.63 oz)	280g (9.87 oz)	133g (4.69 oz)	206g (7.27 oz)

*All weights including batteries

** All products are compatible with SA-13 wireless ceiling mount base

WIRELESS REMOTE-CONTROLS

WIRELESS KEY-FOB AND PANIC BUTTONS

SA-33



Wireless Keyfob with Emergency Button

- Compact, light, attractively designed, hand-held transmitter designed for Rosslare's wireless panels
- Sealed, Soft-touch rubber buttons, with icons for arm home, arm away, disarm, appliance control and emergency
- Easy-to-operate, re-programmable emergency button
- Water-resistant, meets IP65
- Standard, replaceable CR2450 battery provides over four years of operation under normal conditions
- Thin light bar visual indicator
- Key-chain ready

SA-03



Wireless Hand Held 3-Button Remote Control

- Arm away (short press), Arm home (long press), Disarm and Panic signal buttons
- LED indicator
- 12V 23A Alkaline battery
- Low battery transmission signals and LED indication

SA-04



Wireless Waterproof Emergency Button

- Watch and pendant panic button with exchangeable mechanics
- Waterproof
- over 5 years battery life

INTRUSION



Specifications	SA-33	SA-03	SA-04
Battery	3 Volt CR2450 Lithium Cell	12-Volt Alkaline battery (MN-21 or GP-23A)	3-volt Lithium 165 mAh (non-removable)
Maximum Current	5mA	17mA	15mA
Standby Current	<1µA	0A	0A
Operating Temperatures	-10°C to 60°C (14°F to 140°F)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
Operating humidity	0 to 95% (Non-Condensing)		
Dimensions H x W x D	60 x 40 x 12 mm 2.36 x 1.57 x 0.47 inch	76 x 37 x 14.5 mm 3 x 1.5 x 0.57 inch	Diameter x Height 45 x 14 mm 1.77 x 0.6 inch
Weight	21g (0.74 oz.)	28g (1 oz.)	12.5g (0.44 oz.)

*All weights including batteries

WIRELESS REMOTE CONTROLS

Features

- LED transmission indication
- Belt-clip option

SA-26



Wireless Hand Held Single Button Remote Control

SA-27



Wireless Hand Held Dual Button Remote Control

SA-28



Wireless Hand Held Quad Button Remote Control

Specification	SA-26	SA-27	SA-28
Operating Voltage	Two AAA 1.5V Alkaline Battery		
Standby Current	0mA		
Transmission Current	16mA		
Operating Temp. Range	-10° to 50°C (14° to 122°F)		
Operating Humidity	0 to 95% (non condensing)		
Buttons	1 - Panic	2 - Arm & Disarm	4 - Full / partial Arm, Disarm and Panic
Dimensions H x W x D	104 x 40 x 15 mm (4.09 x 1.57 x 0.59 inch)		
Weight	56g (1.97 oz)		

WIRELESS PERIPHERALS

SA-29



Single Layer Wireless RF Repeater

- Communication relay between out of range wireless devices and the receiver
- No programming necessary
- Reports alarms, low-battery, tamper and supervision messages from remote devices
- 1800mAh rechargeable backup battery for 24 hours backup
- Operated with 12VDC external DC transformer
- Case and back tamper switches

SA-80



Wireless Siren and Strobe Annunciator

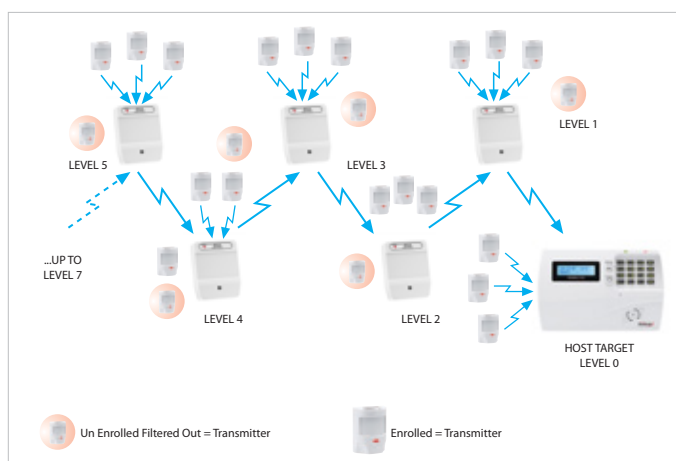
- Output level of 103dB with Sound volume control
- Generates different sound signals types for burglar and fire
- Built-in Strobe lamp
- Outdoor design, weatherproof at IP34 Level
- Cover and wall tamper switches
- Rechargeable backup battery
- Selectable auto-shutdown of 5 or 15 minute

SA-505



Wireless Multi-layer Repeater

- Daisy-chained up to 8 levels
- Enrolling capacity of up to 15 RF devices
- Smart filtering eliminates duplicated transmissions
- Dual Diversity RF antennas
- Rechargeable Lithium-Ion battery (24 continuous operation per single charge), 15 years of continuous operation
- RF Test mode, operated by external switch



SA-505 Operation Description



WIRELESS KEYPADS

KE-30, a unique wireless keypad, combines two-way RF, built-in proximity reader, continuous visual status indications, audio sounder for notifications & delay beeps, command keys, numeric keypad, and more – all battery-operated with no external power supply required.

KE-30



Battery Operated 2-Way Wireless Keypad

- New, thin, and compact, slick design that fits any residential and commercial environment
- Battery powered, over two years battery life, no external power required
- Two-way RF communications
- Built-in RFID proximity reader for arming/disarming the system using tags and cards
- Visual, real-time status indications for arming status, system bypass, trouble and alarm memory
- Built-in sounder for status indications and exit / entry delay beeps
- Arming / disarming button set, combined with status LED indicators, a unique and user-friendly operating interface
- Built-in complete numeric keypad for code entry, with emergency alarm combinations
- Supported by Rosslare wireless panel lines – HomeLogiX, SecuraCare, AuraSys (wireless expanded)

Specification	KE-30
Power	4 x Standard CR-123 type 1300mAh batteries
Battery life	1 year, under normal operating conditions
RF Range	Up to 35m (100') indoor, depending on environmental factors
RF Bands	H Band (868.35MHz) G Band (433.92MHz)
RFID Reader	125KHz Standard EM Compatible
RFID Range	Up to 25mm (1 inch) depending on card/tag type
Tamper Protection	Smart structured wall tamper detection, cover tamper detection
Status Indicators	Arm home, Arm Away, Disarm, Bypass, Trouble, Alarm in memory, confirmation indication
Audio Indications	Entry / Exit delay beeps, Chime sounds, key beeps
Operating Environment	Indoor use
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	0 to 95% (non-condensing)
Dimensions H x W x D	140 x 100 x 27 mm (5.5 x 3.9 x 1.06 inch)
Weight	99g (0.22 lbs)

INTRUSION ACCESSORIES

GSM COMMUNICATORS

SA-59



Universal GSM/GPRS Communicator

- Quad-band GSM/GPRS communicator unit
- Telephone line simulation, line-in and line-out connectors
- Battery back-up (included space for standard Lead-Acid, 800mAh battery)
- 4 programmable inputs
- 3 O.C. outputs and a 1 Amp relay output (follows Input #1)
- 7 pre-configured SMS messages

MD-CC101



GSM/GPRS Stick – GSM/GPRS Communicator module for HomeLogix panels

The MD-CC101, "GSM/GPRS Stick" is a dedicated GSM/GPRS module designed to fit snugly in the HomeLogix™ alarm panel series. The MD-CC101 uses GSM communications to backup the telephone line (PSTN) in case of telephone line failure, or acts as the primary reporting mean, and GPRS communication to up/download data from/to the control panel.

- Compact size GSM/GPRS unit
- Protected from Tamper attempts
- Compatible with HLX-40, HLX-40A and HLX-40B alarm panels
- Receives SMS messages to perform operations such as arming commands and activating/deactivating the PGMs
- Private phone reporting and interactive voice menus with the panel and text messages
- ISO 7816 (11.11 and 11.12) compliant
- Compatible with Quad-band SIM card such: GSM 850 MHz, GSM 900 MHz, DCS 1800 MHz and PCS1900 MHz frequencies
- Data transfer over GSM or GPRS



■ Standalone Smoke & Heat Sensors

SA-34



Photoelectric Smoke Detector

SA-36



Maximum Heat Sensor

SA-37



Maximum Heat Rise Sensor

Specifications	SA-34	SA-36	SA-37
Detection	0.5% ± 4% /ft	55°C ± 2°C	increase of 7°C ± 2°C / min (between 30°C to 57°C) or detection of 55°C ± 2°C (increase of 44°F ± 3°F / min (between 86°F to 134°F) or detection of 131°F ± 4°F)
Maximum Current	25mA	85mA	85mA
Standby Current	10µA	10µA	10µA
Operating Temperatures	0°C - 40°C (32°F - 104°F)		0°C - 60°C (32°F - 140°F)
Operating humidity	10% to 90% (Non-Condensing)		
Dimension H x W x D	40 x 108 mm (1.57 x 4.25 inch)	40 x 108 mm (1.57 x 4.25 inch)	
Weight	181g (0.4 lbs)	165g (0.36 lbs)	

*All weights including batteries (9V ALKALINE Battery)

BRACKETS

BR-41



Smart Swivel Wall / Ceiling Bracket

- Compatible with:
 - PYR-0021, PYR-1021, PYR-2021, PYR-2023, PYR-2011
 - SA-01, SA-01P, SA-01W, SA-01WL (with BR-11 adaptor)
- Ceiling mount configuration allows installation of regular wall mount detectors to be mounted on the ceiling easily
- Wide angle rotation range
 - Up to +/- 30° Horizontal adjustment (wall Mount)
 - Up to 45° Vertical adjustment (wall mount), with optional extension (included)
 - Up to 30° Vertical adjustment (ceiling mount)
- Hidden, Tamper proof wiring installation
- Small footprint yet sturdy and secure with an effective, strong mechanical lock mechanism

BR-11



Swivel Bracket adaptor

- Adaptor for SA-01xx motion detector (PIR) family
- Compatible with BR-41 for wall and ceiling installations with swivel capabilities



POWER SUPPLIES & BATTERIES

PS-30E



- DIN Rail Mounted AC-DC Power Supply
- Input: 230 VAC / 50 Hz
 - Output: 13.8 VDC / 800mA

PS-DC1613



PS-DC1613 - AC to DC adaptor

PS-AC1640



PS-AC1640 - AC to AC transformer

PS-AC1625D



PS-AC1625D - AC to AC transformer

Specification	PS-DC1613		PS-AC1640	PS-AC1625D
Input	120V AC / 60Hz			220V AC
Output	16V DC, 800mA		16V AC, 2.5A	16V AC, 1.5A
Operating Temperature	0°C to 45°C (32°F to 113°F)			
Operating Humidity	0 to 90% non condensing			
Dimensions (H x W x D)	106 x 67 x 58 mm (4.17 x 2.64 x 2.28 inch)			106x70x55 mm (4.17x2.76x2.16 inch)
Weight	820g (1.808 lbs)			757g (1.669 lbs)

PS-DC1204 / PS-DC1512



PS-DC1204 / PS-DC1512
AC to DC switcher power supplies

PS-DC2429



PS-DC2429
AC to DC switcher power supply

PS-DC2465



PS-DC2465
AC to DC switcher power supply

Specification	PS-DC1204	PS-DC1512	PS-DC2429	PS-DC2465
Input	100-240VAC, 50-60Hz			
Output	12VDC, 300mA	15VDC, 800mA	24VDC, 1.2A	24VDC, 2.7A
Operating temperature	-10°C-40°C (14°F-104°F)			
Operating Humidity	30%-85% non condensing			
Dimensions	72x28x56.8mm (EU) 72x28x44mm (US) 72x50x45.5 (GB)	82.5x34x60.7mm (EU) 82.5x34x50.4mm (US) 82.5x50x51mm (GB)	90x54x53.2mm(EU) 90x54x35.7mm (US) 90x54x48mm (GB)	122x54.6x35.5mm
Weight	81.7g (EU) 74g (US) 88.7g (GB)	106.8g (EU) 101.8g (US) 112g (GB)	182 g (EU) 176.1g (US) 185.7g (GB)	392.7g

BT-05



Compact 12 Volt Sealed
Lead Acid Battery
• Output: 12 VDC / 800mAh

BT-16



Compact 10-cell Lithium-Ion
• 12V DC / 2Ah battery

GUARD PATROL

Data acquisition Reader		GC-01	104
Docking Station	Charging+Data	GC-02	104
	Charging only	GC-03	105
Remote Communicator/storage		GC-50	105
Location Tag		GA-01	106
Event Wallet		GA-12, GA-02	106
Accessories	Leather Holster	GA-06	107
	Interface Cable	GA-05	106
	Personal iButton	AT-32B	106
Software	DigiTool Reports Lite	GS-01	108
	DigiTool Call Center	GS-02	108



GUARD PATROL

Rosslare's DigiTool Guard Patrol system's success is a product of Rosslare's 20 years of experience in guard-based security, for both the private and public sectors. For this reason and more it is the best cost-benefit guard patrol management platform available on the market to date. The DigiTool line is comprised of a complete range of leading-edge, high-quality and high-performance products, with multiple remote stations using TCP/IP connectivity via Rosslare's MD-N32.



DIGITOOL-GUARD PATROL SYSTEM

■ SYSTEM COMPONENTS

DATA ACQUISITION READER

GC-01



Data Acquisition Reader

- iButton Reader
- Rugged and waterproof
- Internal Lithium-Ion 1800mAh rechargeable battery for 6 month use or 300,000 readings
- 8000 time-stamped readings storage capacity
- 360 degree visual reading indication
- Sound, visual & vibration read indication
- Water & dust resistant design

DATA AND CHARGING BASE STATIONS

GC-02



Data Acquisition/Charger Base

- Reader docking station for reader data upload to PC and reader battery charger
- RS-232 port for PC connection @ 9600 baud, full duplex
- Rotating communication & power ports for desktop or wall mount installation
- Local iButton reader for enrolling of locations, events and user tags to PC
- 12VDC, max 500mA power adaptor
- 3-colored LED and buzzer indications
- Water & dust resistant design

GC-03



Charger Base

- Reader docking station functions as a battery charger
- Rotating power ports for desktop or wall mount installation
- 12VDC, max 500mA power adaptor
- 2-colored LED
- Water & dust resistant design

GC-50



Remote Storage/Communicator

- Up/Download remote base data via telephone line
- Local storage of over 200,000 readings for up to two weeks when power is off
- Platform for GC-02 base connects to GC-02's power and serial port
- 9600 baud RS-232 communication port to PC for local station connection
- RJ-11 phone in / out plugs
- LED buttons for Load & Communications
- Internal, battery backed up real-time clock
- Internal buzzer
- Securing screw for GC-02 base



Specification	GC-01	GC-02 / GC-03	GC-50
Operating Voltage Range	3.0-3.6 VDC	9-12 VDC	
Standby Input Current	6μA	0.1mA	30mA
Maximum Input Current	21μA	500mA	150mA
Operating Temp. Range	-31°-63°C -25°-145°F	-20° to 60°C-4° to 140°F	
Operating Humidity	0 to 95% (non condensing)		
Dimensions H x W x D	175 (L) x 33 (Dia) mm	100 x 82 x 80 mm	150 x 120 x 30 mm
	6.89 (L)x 1.3 (Dia) Inch	3.94 x 3.23 x 3.15 inch	5.90 x 4.72 x 1.18 inch
Weight	225g (0.5 Lbs)	200g (0.44 lbs)	230g (0.507 lbs)



TAGS AND EVENT WALLETS

GA-01



Location Tag

- Rugged and waterproof
- Low weight (~10 grams)
- 16 byte ID with open or custom facility code
- Randomly coded with 12 Hex digits (over 300 billion ID options)
- 2-screw wall mounting base, and latching cover makes the tag irremovable once installed
- Available in different colors: black, red, yellow, purple, orange and green

GA-02



Event Wallet

- Portable wallet for special event reporting during guard patrol
- 10 event iButtons
- Rugged design

GA-12



Numeric Event Wallet

- Numeric wallet for special event reporting during guard patrol
- 12 iButtons for digits 0 - 9, with START and END buttons to input any numeric sequence
- Supported by GS-02

GUARD CONTROL ACCESSORIES

GA-05



RS-232 Interface Cable

AT-32B



Personal iButton Key Tag

- Used to personalize the GC-01 reader for different guards
- Available in black or white

GA-06



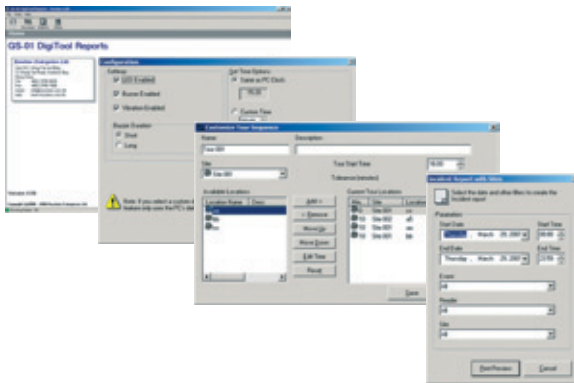
Leather Holster for GC-01 Reader



SYSTEM SOFTWARE

GUARD CONTROL MANAGEMENT SOFTWARE

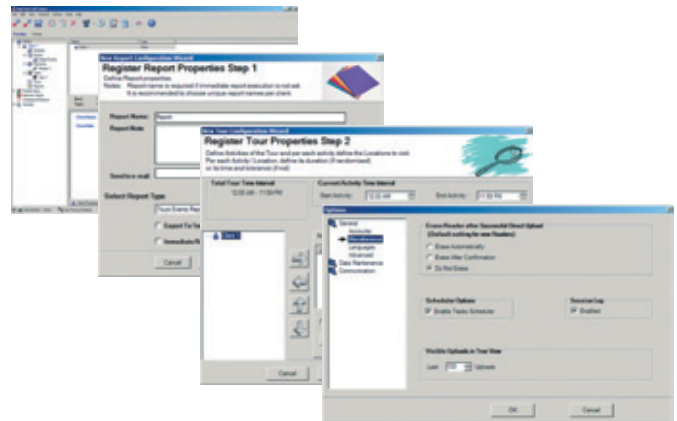
GS-01



DigiTool Reports Lite Software

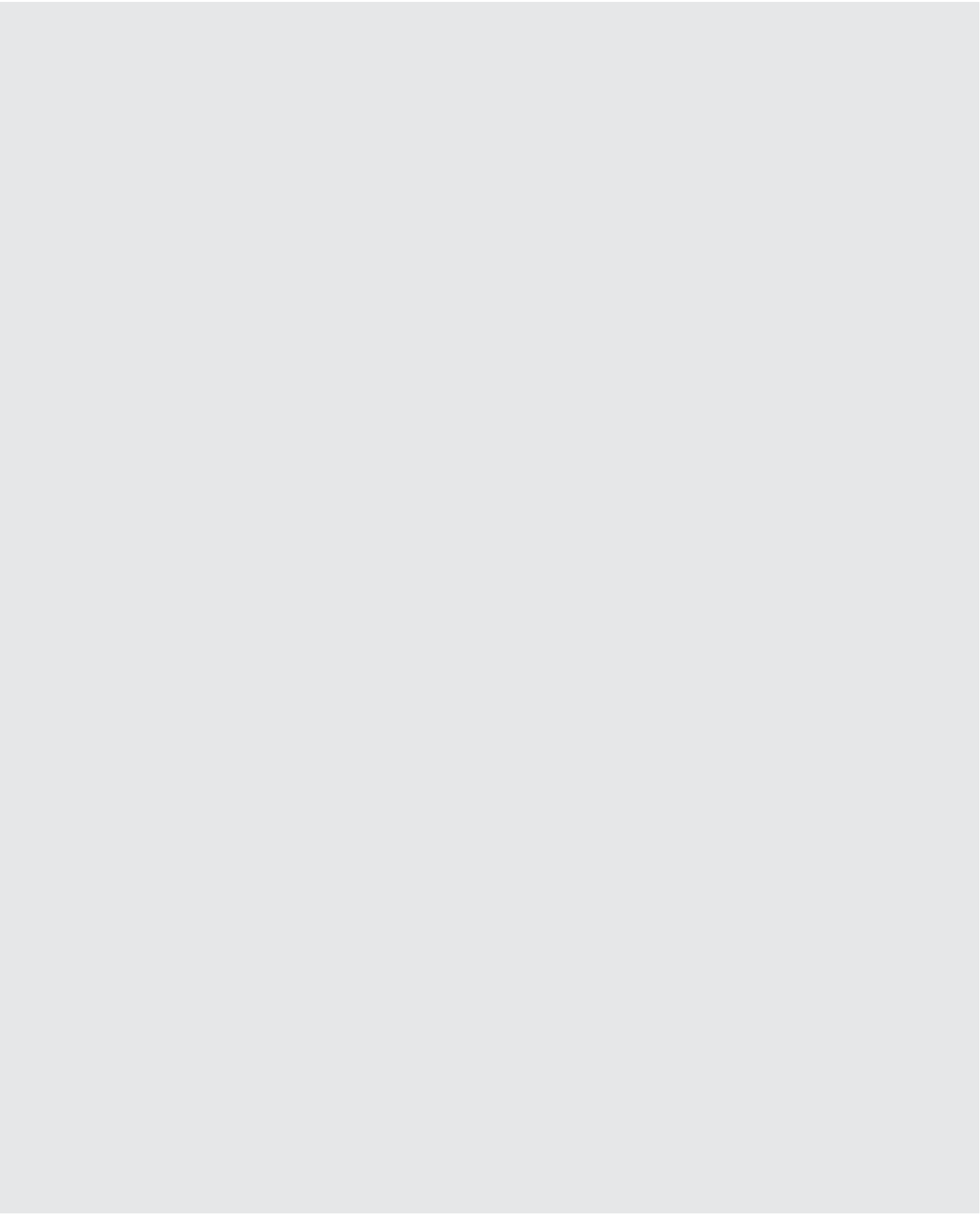
- Master and Normal user access levels
- Programmable features: users, sites, readers and scheduled patrols
- Integrated database
- Various reporting options - patrols, events, exceptions and more
- Full reader upload/download and configuration

GS-02



DigiTool Call Center (DCC) Software

- Local and remote station, global control software
- Microsoft .NET Platform
- Full management of all related objects: Sites, Locations, Users, Guards, Readers, Tags, Stations, Patrols, Reports, Clients, Events and Groups
- Multi-client platform for remote client monitoring stations
- TCP/IP Remote communication
- Over 500 guards, up to 10,000 locations
- Flexible, schedule based patrol planner
- Custom reports
- Wizard driven GUI for most objects creation
- Tree view based object structure
- Graphical maps for site hierarchy



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