2012

Product Catalog

ROSSLARE
SECURITY PRODUCTS

■ **COMPANY PROFILE**

■ **ACCESS CONTROL**

■ **INTRUSION**

■ **GUARD PATROL**

With Rosslare, you receive the

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 clients' 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 has established Rosslare as a leading security industry player.

best of all worlds

ISO 9001:2008, ISO 14001:2004 & ISO 13485:2003+AC:2009

Rosslare Security is proud of its ISO 9001:2008 , ISO 14001:2004 and ISO 13485:2003+AC:2009 certifications as they represent Rosslare's commitment to maintaining the highest market standards. 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 and preservation and their manifestation. Rosslare Security products are also certified under the authority of TUV Rheinland 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).

The ISO 13485:2003+AC:2009 (Medical Devices) accreditation certifies Rosslare for the design, development and manufacturing of customized rechargeable power solutions and confirms Rosslare's compliance with this demanding quality standard.

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, Shenzen, and Mumbai providing every dealer and installer the ability to reach our experts any time and 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 and other networked and standalone readers, controllers and accessories.

INTRUSION   62–105

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   106–112

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 and 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 allows supervision of special assignments completion, security staff performance evaluation and report analysis.

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, AC-425, AC-425IP, MD-D02, MD-IO84, MD-D04	10-11, 13
	Compact			AC-115	15
Readers / Controllers	Outdoor	PIN		AYC-F54, AYC-G54, AYC-E55	17–18
		PIN+Prox		AYC-F64, AYC-G64, AYC-E65BG, AYC-E65BW, AYC-E65BB	17–18
	Anti-Vandal	PIN	Button	AYC-Q54B	17
		PIN+Prox	Button	AYC-Q64B	17
	Biometric			AYC-W6500, AYC-B7661	19
Standalone Controllers	Indoor	PIN		AC-A41, AC-B31, AC-C31, AC-D31	29–30
		PIN+Prox		AC-A42, AC-B32, AC-C32, AC-D32	29–30
		Single Door, 2-Reader Controller		AC-015	28
		Dual Door, 2-Reader 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
	Anti-Vandal	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

Readers	PIN/RFID Proximity	Indoor	Proximity	AY-C11, AY-D11, AY-C12, AY-D12		48
			PIN	AY-D09M		49
			PIN+Prox	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	36
				Piezoelectric	AY-S55, AY-T55, AY-T55B	37
			PIN+Prox	Button	AY-Q64	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		42–44
		Sector Read		AY-Q6360, AY-Q6260, AY-M26, AY-W6360, AY-W6260,		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
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-J03, MP-H03, MP-M03, 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
		13.56 MHz Mifare® Smartcard Contactless Cards		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, standalone 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. By featuring the latest technologies and industrial design concepts, we are certain you will find the right solution for your application.
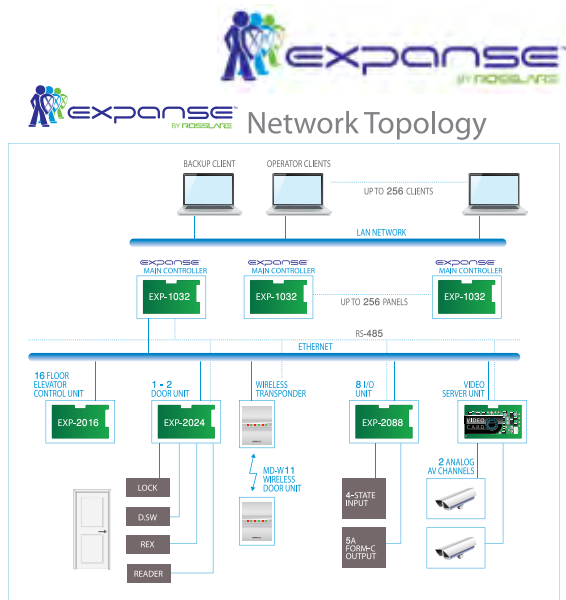
DISTRIBUTED ACCESS CONTROL

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 doors, 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). This 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 1024 controllers with intercommunication

ExpansE Network Topology

CONTROLLER Specification	
Processor	ARM9 based micro-controller
Processor Clock	240 MHz
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 connections, 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	Houses the controller and up to eight additional secondary units in one metal housing, prenetworked, with power supply and battery back-up*
ME-01	Self-powered metal enclosure for end units with 7Ah battery back-up*
ME-12	Compact plastic selfpowered enclosure for end units with 7Ah battery back-up*
ME-14	Compact plastic enclosure for end 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
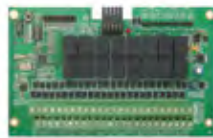
16-Relay Elevator Control Unit

WEB-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.

Specification	EXP-1032	EXP-2024	EXP-2088	EXP-2016
Operating Voltage	12–16 VDC 1.5 A	12–16 VDC 1 A	12–16 VDC 0.5 A	12–16 VDC 1 A
Standby Current Consumption	150 mA	150 mA	100 mA	100 mA
Maximum Current Consumption	1200 mA	1 A	500 mA	800 mA
Operating Temperature Range	0°C to 49°C (32°F to 120°F)			

EXPANSE HOUSING OPTIONS

ME-00

9-Board 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, as well as 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
- 5,000 to 30,000 card holders capacity
  - AC-215: additional 20,000 time & attendance only users
- Event history size of 5,000 to 20,000 events
- 32 multiple-segment time zones and 64 holidays
- Networking: up to 1023 panels (4092 doors using MD-D02)
  - 32 panels on each sub-network, up to 1023 sub-networks
  - 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

- 4 to 8 programmable outputs
  - 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
  - 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 7 Ah 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

AC-425

Advanced Scalable Networked
Access Controller

AC-425IP

Advanced Networked Access
Controller with onboard TCP/IP module

AC-425 PCBA

- 30,000 users
- Single/dual door
- Expandable to 8 doors
- Networked up to 1023 panels

Networked Controllers – Feature Comparison

Specification	AC-215	AC-225	AC-525	AC-425
Power Supply Voltage**	220 VAC	220 VAC	220 VAC	220 VAC
Standby Current Consumption	125 mA (basic unit)	325 mA (basic unit)	550 mA	80mA (basic unit)
Maximum Current Consumption	325 mA (basic unit)	325 mA (basic unit)	2.2 A	325 mA (basic unit)
Relay Outputs	4 x Form-C, 5 A	4 x Form-C, 5 A (Max. 8, fully programmable*)	4 x Form-C, 5 A (Max. 8, fully programmable*)	4 x Form-C, 5 A (Max. 8, fully programmable*)
Inputs	4 high-impedance	4 (Max. 8/12, fully programmable*)	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 in.)	326 x 263 x 97 mm (12.8 x 10.4 x 3.82 in.)	360 x 342 x 84.5 mm (14.2 x 13.5 x 3.4 in.)	334 x 264 x 84.5mm (13.2 x 10.4 x 3.4 in.)
Weight	2.4 kg (5.3 lb)	2.8 kg (6.2 lb)	4.5 kg (9.92 lb)	3.8 kg (8.4lb)
Operating Temperature Range	0˚C to 63˚C (32˚F to 145˚F)	0˚C to 63˚C (32˚F to 145˚F)	0˚C to 49˚C (32˚F to 120.2˚F)	0˚C to 49˚C (32˚F to 120.2˚F)

* With MD-IO84 or MD-D02
** Available models with 110 VAC transformer or without transformer

Networked Controllers – Capacity Comparison

Features	AC-215	AC-225	AC-525	AC-425
Capacity	5,000 + 20,000 T&A only	30,000	30,000	30,000
Event Log Size	5,000	20,000	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*)	4 x Wiegand/C&D (Max. 8**)
Connectivity	RS-232/485	TCP/IP, RS-232/485	TCP/IP, RS-485	TCP/IP, RS-232/485
Time Zone & Holidays	32/64	32/64	32/64	32/64
Networking Segment (max.)	32 (1023)	32 (1023)	32 (1023)	32 (1023)

* Using MD-D02
** Using MD-D04

ACCESS CONTROL

VIDEO ENABLED NETWORKED ACCESS CONTROL PANELS

Rosslare has 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 and 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 8 GB
- 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

ViTrax™

Visual Access Controller Management Software

- Full video & audio management for AC-525 and third-party servers
- Scheduled recording and backup management
- Multiple Video Viewport screens, can be arranged 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's family of state-of-the-art networked access controllers to enhance their capacity.

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

The MD-D02 provides 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

MD-D04

4-Reader Expansion
- 4 multi-format reader ports
- 4 supervised, 4-state, dual EOL inputs
- 4 fully programmable, 5 Amp Form-C relay outputs
- Optional expansion for AC-425

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, and a flexible user-defined report generator. The software range also features event monitoring screens, programmable event handling, hierarchical equipment mapping and configuration, graphical maps with living objects, and programmable authorization levels, 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 adaptor (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
- Third-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 third-party software integration
- Available MD-14, RS-485 to RS-232 converter available

AS-525 M1
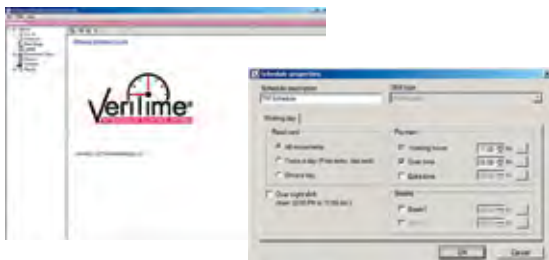
Time & Attendance Software
- Connects directly to the controller's database
- Advanced time & attendance profiles management
- High flexibility in report generation

AS-525
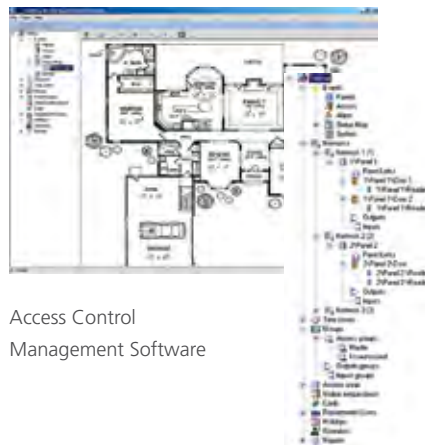
Access Control
Management Software

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, large user capacity, a built-in sounder and power supply for readers, locks and battery charger, and a local user interface. It also comes with a LED-based keypad for all configuration options, as well as easy-to-use PC software for event monitoring, system configuration, and database handling.

Major Features

- Two Wiegand 26-bit readers (In/Out)
- 3 Programmable modes: Unlock, Normal, Secure
- 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: 5 A lock relay, 1 A 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

Specification	AC-115
Power Supply Voltage	16.5 VAC
Power Supply Standby Current	65 mA
Power Supply Maximum Current	120 mA
Relays	Lock: Form-C 5 A, Aux: 1 A
Inputs	2 dry contacts
Dimensions (H x W x D)	134 x 85 x 30 mm (5.3 x 3.4 x 1.2 in.)
Weight	220 g (0.485 lb)
Operating Temperature Range	0˚C to 63˚C (32˚F to 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

AS-115
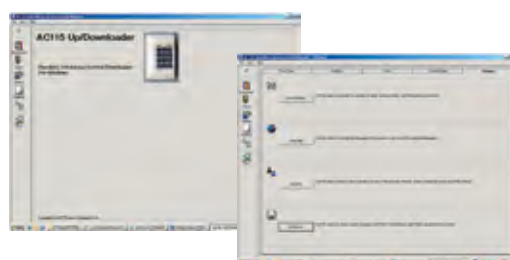
Compact Access Control Management Software

- Light Management SW for AC-115 Networked Controllers
- Supports setup, monitoring, and database 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 (readers and controllers) with dedicated intelligent power supplies that convert 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 automatically turn into standalone secured controllers. When connected to a controller (such as AC-215 or AC-115), they function as readers with varied characteristics.

This family of products consists of Anti-Vandal PIN & Proximity, Outdoor PIN & Proximity, and Ultra-Slim Piezoelectric PIN/PIN & Proximity Readers/Controllers, and includes features such as Smart Backlit, interface LEDs, and fully potted and sealed.

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 LEDs
- 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 Rosslare's 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/PROXIMITY READERS/CONTROLLERS

General features
• Programmable patented blue backlit keypad

AYC-Q64B

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

AYC-Q54B

Convertible Anti-Vandal Backlit 3x4 PIN Reader/Controller

OUTDOOR PIN/PROXIMITY READERS/CONTROLLERS

General features
• Programmable red backlit keypad
• Interface LEDs (tri-colored)

AYC-F64

Convertible 3x4 Backlit PIN & Proximity Reader/Controller

AYC-F54

Convertible 3x4 Backlit PIN Reader/Controller

AYC-G64

Convertible 2x6 Backlit PIN & Proximity Reader/Controller

AYC-G54

Convertible 2x6 Backlit PIN Reader/Controller

ULTRA-SLIM PIEZOELECTRIC PIN/PIN & PROXIMITY 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-E65BG, AYC-E65BB

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

Specification	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 (12 VDC)	15 mA	92 mA	75 mA	105 mA	75 mA	105 mA	65 mA	90 mA
Input Current: Max (16 VDC)	40 mA	105 mA	110 mA	140 mA	110 mA	140 mA	110 mA	130 mA
Max Proximity Card Read Range*	N/A	40 mm (1.575 in.)	N/A	80 mm (3.15 in.)	N/A	80 mm (3.15 in.)	N/A	45 mm (1.77 in.)
Operating Temp. Range	-30°C to 65°C (-22°F to 150°F)							
Operating Humidity	0 to 95% (non-condensing)							
Outdoor Usage	Waterproof, meets IP68		Waterproof, meets IP65					
Dimensions (H x W x D)	155 x 44 x 6.5 mm (6.1 x 1.7 x 0.26 in.)	155 x 44 x 9 mm (6.1 x 1.7 x 0.35 in.)	120 x 76 x 21 mm (4.72 x 2.99 x 0.83 in.)		137 x 44 x 21 mm (5.39 x 1.73 x 0.83 in.)		120 x 76 x 21 mm (4.72 x 3 x 0.83 in.)	
Weight	120 g (0.265 lb)	143 g (0.315 lb)	215 g (0.475 lb)		160 g (0.353 lb)		480 g (1.06 lb)	

*Measured using Rosslare proximity card (AT-x14) or equivalent. Range also depends on the electrical environment and proximity to metal.

BIOMETRIC PIN & PROXIMITY READERS/CONTROLLERS AND SOFTWARE

AYC-W6500

Fingerprint, PIN & Proximity Convertible
Reader/Controller

AS-W6500

BioTrax™ Biometric Fingerprint Enrollment Software

General features

- 500 users, 2 templates per user fingerprint, pin and card
- Built-in fingerprint capacitive multi-angle sensor
- 1:1 fingerprint verification in less than 1 second
- 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 application for the AYC-W6500 biometric fingerprint Reader/Controller. BioTrax™ can be used to enroll a user's fingerprints, add cards and users, and allow the user to upload and download data between the unit and the PC. BioTrax™ communicates with the unit through the serial port.

Specification	AYC-W6500
Operating Voltage Range	10 to 16 VDC (Reader mode, from controller)
Input Current: Standby (12 VDC)	140 mA
Input Current: Max (16 VDC)	330 mA
Max Proximity Card Read Range*	7.5 cm (3 in.)
Sensor ESD Rating	±15KV (Fingerprint Sensor)
Operating Temp. Range	-5°C to 60°C (23°F to 140°F)
Operating Humidity	10% to 90% RH (non-condensing)
Outdoor Usage	Weather-resistant, meets IP65
Dimensions (H x W x D)	131 x 125 x 35 mm (5.16 x 4.92 x 1.38 in.)
Weight	270 g (9.5 oz)

*Measured using Rosslare proximity card (AT-x14) or equivalent. Range also depends on the electrical environment and proximity to metal

AYC-B7661

1:1/1:N Standalone Reader/Controller

- Standalone reader/controller
- Optical back tamper sensor and tamper output signal
- Supports lockout feature for fraud prevention
- Compatible with Mifare® ISO 14443A 1K and 4K cards and tags
- 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

■ SECURE STANDALONE CONTROLLERS

Major Features

- 500 users with Dual PIN/PIN & Proximity card each
- Bi-directional secure communication with Rosslare's 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 LEDs
- 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 & Proximity Standalone Controller

Specification	AC-S73	AC-T73	AC-Q74
Input Current: Standby (12 VDC)	15 mA		40 mA
Input Current: Max (16 VDC)	92 mA		130 mA
Max Proximity Card Read Range*	N/A	N/A	65 mm (2.5 in.)
Operating Temp. Range	-32°C to 63°C (-25°F to 145°F)		
Operating Humidity	0 to 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 in.)	150 x 42 x 27 mm (5.91 x 1.65 x 1 in.)	120 x 76 x 27 mm (4.72 x 3 x 1 in.)
Weight	400 g (0.8 lb)	400 g (0.8 lb)	410 g (0.9 lb)

*Measured using Rosslare proximity card (AT-x14) 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 standalone 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)

Specification	PS-A25T	PS-C25T	PS-C25TU	PS-C25LT
Input	230 VAC 50 Hz, 0.14 A		16 VAC, 25 VA	24 VAC 50 Hz
Internal Transformer	230/16 VAC, 25 VA		N/A	N/A
ACU Output	12 VDC, 1.2 A continuous supply (current limit)			
Lock Output	5 A, SPDT relay, max switched current: 5 A, max switched voltage: 150 VDC or 300 VAC 5 A at 30 VDC or at 125 VAC			
Auxiliary Output	Yes		No (8 Ohm, 0.25W minimum output)	
Speaker	up to 7 AH maximum charge current 1.2 A			
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	-10°C to 50°C (14°F to 122°F)			
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 in.)	225 x 230 x 76 mm (8.85 x 9.05 x 3 in.)		
Weight	1.24 kg (2.73 lb)	2.44 kg (5.38 lb)	1.5 kg (3.3 lb)	

STANDALONE 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, and a combination thereof, 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 a 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 2 A 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

Specification		AC-F43	AC-F44	AC-G43	AC-G44
Input Voltage VDC	VDC	12–24 VDC			
	VAC	16–24 VAC			
Max. Input Current (12 VDC)		125 mA	160 mA	125 mA	160 mA
Standby Input Current (12 VDC)		75 mA	95 mA	75 mA	95 mA
Max. Read Range*		N/A	75 mm (2.95 in.)	N/A	80 mm (3.15 in.)
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 in.)		137 x 44 x 21 mm (5.39 x 1.73 x 0.83 in.)	
Weight		244 g (0.54 lb)		178 g (0.39 lb)	

*Measured using Rosslare's AT-x14 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 2 amp 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 24 AWG 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 24 AWG cable

Specification		AC-Q41H	AC-Q41HB	AC-Q42H	AC-Q42HB	AC-Q41SB	AC-Q42SB
Input Voltage VDC	12–24 VDC			12–24 VDC			
	VAC	12–24 VDC		16–24 VAC		12–24 VAC	16–24 VAC
Max. Input Current (12 VDC)*		100 mA	130 mA	125 mA	145 mA	130 mA	145 mA
Standby Input Current (12 VDC)*		40 mA	70 mA	65 mA	85 mA	70 mA	85 mA
Max. Read Range**		N/A		65 mm (2.5 in.)		N/A	65 mm (2.5 in.)
Max Relay Current		2 A					
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 in.)				120 x 76 x 22 mm (4.72 x 3 x 0.85 in.)	
Weight		440 g (0.97 lb)				521 g (1.18 lb)	

* With heater ON, the current consumption increases by 480 mA.
**Measured using Rosslare's AT-x14 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 & Proximity Standalone Controller

Specification		AC-T43	AC-S43	AC-Q44
Input Voltage VDC	VDC	12–24 VDC		
	VAC	16–24 VAC		
Max. Input Current (12 VDC)		75 mA	80 mA	125 mA
Standby Input Current (12 VDC)		15 mA	33 mA	65 mA
Max. Relay Current		5 A		2 A
Max.Read Range*		N/A		65 mm (2.5 in.)
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		
Dimensions (H x W x D)		120 x 65 x 28 mm (4.7 x 2.6 x 1.1 in.)	150 x 42 x 28 mm (5.9 x 1.65 x 1.1 in.)	120 x 76 x 22 mm (4.72 x 3 x 0.85 in.)
Weight		400 g (0.88 lb)	400 g (0.88 lb)	521 g (1.18 lb)

*Measured using Rosslare's AT-x14 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

Specification	AC-E100G, AC-E100S, AC-E200G, AC-E200S
Operating Voltage Range	12 to 24 VDC, from a regulated power supply 12 to 24 VAC, from a transformer
Input Current	Standby: 74 mA, at 12 VDC Maximum: 170 mA, at 12 VDC
Relay Outputs	Lock Strike: 3 A, Form-C relay, COM, N.O. and N.C. Auxiliary: 3 A, 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 32 mA 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 x 120 x 60 mm (8.26 x 4.72 x 2.36 in.)
Weight	760 g (1.67 lb)

■ 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

- 500 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 5 A relays

AC-015

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

AS-015
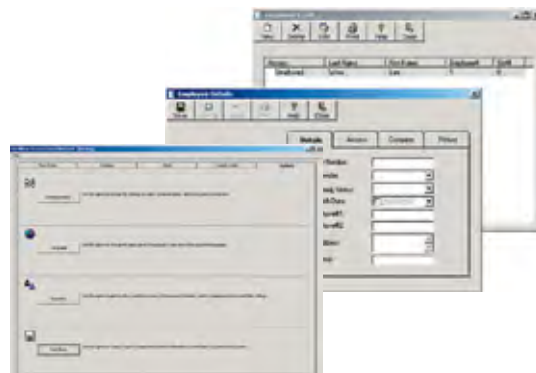
Multi-Lingual PC Software
- PC Software to manage user details, reports, and event monitoring

Specification	AC-015	AC-020
Operating Voltage (From a transformer)	16 VAC (1.5 A, 25 VA)	
Current: (No attached devices)	Standby: 65 mA Maximum: 120 mA	
Battery Charger	12 VDC Lead Acid Battery up to 7 AH recommended	
Lock Strike Power Relay	12 VDC constant voltage (1.2 A current limit)	2 x 12 VDC N.O. outputs
Tamper Relay Output	1 A Relay N.C. Dry Contact	N/A
Reader Power Supply	Voltage: 12 VDC, max current: 300 mA	
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 in.)	
Weight	220 g (0.5 lb)	

INDOOR PIN/PROXIMITY CONTROLLERS

Major Features

- 125 kHz, ASK type RFID Proximity, 26-bit 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
- 3.5 A lock relay

AC-B31

Indoor PIN Standalone Controller

AC-D32

Indoor PIN & Proximity Standalone
Controller

AC-D31

Indoor PIN Standalone Controller

AC-B32

Indoor PIN & Prox Standalone Controller

AC-C31

Indoor Mullion PIN Standalone Controller

AC-C32

Indoor Mullion PIN & Proximity Standalone Controller

AC-A41

Indoor PIN Standalone Controller
- Door monitor input
- Auxiliary 1 A relay
- Door Input

AC-A42

Indoor PIN & Proximity Standalone Controller
- Door monitor input
- Auxiliary 1 A relay
- Door Input

Specification	AC-A41	AC-A42	AC-B31	AC-B32	AC-C31	AC-C32	AC-D31	AC-D32
Input Voltage	12–16 VDC/VAC							
Max. Input Current (12 VDC)	80 mA	100 mA	75 mA	90 mA	75 mA	90 mA	75 mA	90 mA
Standby Input Current (12 VDC)	20 mA	40 mA	20 mA	40 mA	20 mA	40 mA	20 mA	40 mA
Max. Read Range*	NA	90 mm (3.5 in.)	NA	90 mm (3.5 in.)	NA	70 mm (2.75 in.)	NA	90 mm (3.5 in.)
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 in.)		92 x 92 x 24 mm (3.5 x 3.5 x 0.94 in.)		130 x 42 x 18 mm (5.12 x 1.65 x 0.7 in.)		122 x 75 x 4 mm (4.8 x 2.95 x 0.94 in.)	
Weight	130 g (4.59 oz)				70 g (2.47 oz)		130 g (4.59 oz)	

*Measured using Rosslare's AT-x14 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. Built to meet the demands of industry standard Wiegand 26-bit and other outputs, most readers 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, Proximity or combination therof, as well as 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

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

AY-R12

Outdoor RGB illuminated Reader

Specification	AY-R12
Input Voltage	12–16 VDC
Maximum Input Current	150 mA
Standby Input Current	100 mA
Max. Read Range*	80 mm (3.15 in.)
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 in.)
Weight	202 g (7.095 oz)

*Measured using Rosslareís AT-x14 or equivalent. Range also depends on the electrical environment and proximity to metal.

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 units are 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: 35 mA, Read: 50 mA		Standby: 65 mA Read: 100 mA
	H, L & M	Standby: 35 mA Read: 100 mA		
Tamper Output		Open collector, active low,max sink current 16 mA		
Operating Temp. Range		-31°C to 63°C (-25°C to 145°F)		
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 in.)	100 g (3.53 oz)	12 cm (4.71 in.)
AY-J12/14/20	119.95 x 41.95 x 14 mm (4.7 x 1.65 x 0.55 in.)	88.5 g (3.12 oz)	10 cm (3.93 in.)
AY-K12/14/20	79.9 x 39.9 x 12.8 mm (3.15 x 1.57 x 0.50 in.)	70.5 g (2.49 oz)	8 cm (3.15 in.)
AY-L12/20	144.9 x 42.9 x 20 mm (5.7 x 1.69 x 0.79 in.)	116 g (4.09 oz)	12 cm (4.71 in.)
AY-M12/20	88.9 x 88.9 x 15 mm (3.5 x 3.5 x 0.59 in.)	109 g (3.85 oz)	10 cm (3.93 in.)

*Measured using Rosslare's AT-x14 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

Specification	AY-E20
Input Voltage	5–16 VDC
Maximum Input Current	100 mA
Standby Input Current	40 mA
Max. Read Range*	3.5 mm (1.37 in.)
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 in.)
Weight	135 g (4.76 oz)

*Measured using Rosslare's AT-x14 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 models: 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 with 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 VDC
Maximum Input Current	35 mA
Standby Input Current	100 mA
Card Read Format	Wiegand 26-bit
Max. Read Range*	65 mm (2.55 in.)
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 in.)
Weight	521 g (1.18 lb)

*Measured using Rosslare's AT-x14 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 and AC-225)
- Optical back and cover tamper

AY-Q54

Anti-Vandal 3x4 PIN Reader

AY-Q64

Anti-Vandal 3x4 PIN & Proximity Reader
• Integrated RFID Proximity Reader
• Multi-format card reads 26-bit Wiegand/Clock & Data

Specification	AY-Q54	AY-Q64
Input Voltage	5–16 VDC	
Standby Input Current	30 mA	40 mA
Maximum Input Current	70 mA	98 mA
Max. Read Range*	N/A	45 mm (1.77 in.)
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 in.)	
Weight	480 g (1.05 lb)	

*Measured using Rosslare's AT-x14 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 and 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	30 mA	30 mA	90 mA	55 mA
Max. Input Current	120 mA	120 mA	180 mA	80 mA
Max. Read Range*	N/A	N/A	N/A	65 mm (2.55 in.)
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 in.)	120 x 65 x 27 mm (4.72 x 2.6 x 1.06 in.)		120 x 76 x 22 mm (4.72 x 3 x 0.966 in.)
Weight	400 g (0.9 lb)	500 g (1.1 lb)	502 g (1.107 lb)	440 g (1.0 lb)

*Measured using Rosslare's AT-x14 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 we have adopted the 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

UK 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	35 mA	49 mA	45 mA	35 mA	35 mA
Maximum Input Current	55 mA	67 mA	61 mA	55 mA	55 mA
Tamper Output	Open collector, active low, max sink current 16 mA				
Max. Read Range*	45 mm (1.77 in.)	40 mm (1.57 in.)	50 mm (1.97 in.)	45 mm (1.77 in.)	45 mm (1.77 in.)
Operating Temp. Range	-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)	88.9 x 88.9 x 15 mm (3.5 x 3.5 x 0.59 in.)	79.91 x 39.91x 12.8 mm (3.15 x 1.57 x 0.50 in.)	109.9 x 74.9 x 15 mm (4.3 x 2.95 x 0.59 in.)	144.9 x 42.9 x 20 mm (5.7 x 1.69 x 0.79 in.)	119.95 x 41.95 x 14 mm (4.7 x 1.65 x 0.55 in.)
Weight	103 g (3.633 oz)	54 g (1.9 oz)	87 g (3.07 oz)	116 g (4.09 oz)	88.5 g (3.1 oz)

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

OUTDOOR CONTACTLESS SMARTCARD/PIN READERS

AY-W6250W

Mifare® Smartcard Contactless Reader

AY-W6350W

AY-W6350B

Mifare® Smartcard Contactless Reader with Keypad
- Programmable using keypad
- Red backlight keypad

Specification	AY-W6250	AY-W6350
Operating Voltage Range	5–16 VDC	
Standby Input Current	110 mA	180 mA
Maximum Input Current	165 mA	235 mA
Tamper Output	Open collector, active low, max sink current 16 mA	
Max. Read Range*	65 mm (2.56 in.)	70 mm (2.75 in.)
Operating Temp. Range	-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)	125 x 83 x 29.5 mm (4.92 x 3.27 x 1.16 in.)	
Weight	230 g (0.507 lb)	230 g (0.507 lb)

*Range depends on the electrical environment and proximity to metal

ANTI-VANDAL CONTACTLESS SMARTCARD/PIN READERS

The AY-Q6250 is an Anti-Vandal Mifare® Smartcard Contactless reader, which provides the capability of serial ID reading of Mifare® cards to any standard access control system. The AY-Q6350 is a Smartcard and PIN code reader with an elegant design and blue backlit keys.

Both are advanced models with multi-format outputs for high compatibility with standard host access controllers. These fully-sealed, epoxy-potted units provide weatherproof and vandal-resistant solution for extremely harsh environments. In addition, each contains a patented high-frequency antenna on the metallic body, allowing a 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 backlight keypad
- Two Tri-colored LED and buzzer indicators

Specification	AY-Q6250	AY-Q6350
Operating Voltage Range	5–16 VDC	
Standby Input Current	110 mA	160 mA
Maximum Input Current	190 mA	240 mA
Tamper Output	Open collector, active low, max sink current 30 mA	
Max. Read Range*	45 mm (1.772 in.)	45 mm (1.772 in.)
Operating Temp. Range	-31°C to 63°C (-25°F 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 in.)	120 x 76 x 22 mm (4.72 x 3 x 0.966 in.)
Weight	420 g (0.93 lb)	440 g (0.97 lb)

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

OUTDOOR CONTACTLESS SMARTCARD SECTOR READERS

The AY-Q6x60, AY-M26 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-M26 and 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-Q6260

Anti-Vandal Mifare® Smartcard Contactless Sector Reader

AY-Q6360

Anti-Vandal Mifare® Smartcard Contactless Sector Reader with Keypad

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

AY-M26

Mifare® Smartcard Contacless Sector Reader

AY-W6260

Mifare® Smartcard Contactless Sector Reader

AY-W6360

Mifare® Smartcard Contactless Sector Reader with Keypad

Specification	AY-Q6260	AY-Q6360	AY-M26	AY-W6260	AY-W6360
Operating Voltage Range	5–16 VDC				
Standby Input Current	110 mA	160 mA	110 mA	110 mA	160 mA
Maximum Input Current	190 mA	240 mA	165 mA	165 mA	235 mA
Tamper Output	Open collector, active low, max sink current 30 mA				
Max. Read Range*	45 mm (1.772 in.)	45 mm (1.772 in.)	70 mm (2.75 in.)	45 mm (1.772 in.)	45 mm (1.772 in.)
Operating Temp. Range	-31°C to 63°C (-25°F 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 in.)		89 x 89 x 15 mm (3.5 x 3.5 x 0.6 in.)	125 x 83 x 29.5 mm (4.92 x 3.27 x 1.16 in.)	
Weight	420 g (0.926 lb)	440 g (0.97 lb)	116 g (0.255 lbs)	230 g (0.507 lb)	230 g (0.507 lb)

■ MIFARE® CONTACTLESS BIOMETRIC READERS

Rosslare's family of Mifare® Smartcard biometric readers include Swipe and Full-Finger MOC (Match-On-Card) and 1:1/1:N Full-Finger standalone technologies.

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 in 1:1 (One-to-One) mode, the system compares matching between the fingerprint and the data stored in a reader's memory, to where the card points.

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

AY-B4663	AY-B1663	AY-B3663
Fingerprint Swipe Match-on-Card Reader	Fingerprint Swipe Match-on-Card Reader	Fingerprint Swipe Match-on-Card Reader

Major Features

- 3 different designs to accommodate customer requirements and preferences
- Visual assistance using motion animated indicators for how to use the finger swipe
- Optical back tamper sensor and Tamper output signal
- Supports 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

Specification	AY-B1663	AY-B3663	AY-B4663
Operating Voltage Range	6–16 VDC		
Standby Input Current	85 mA		
Maximum Input Current	513 mA		
Tamper Output	Open collector, active low, max sink current 32 mA		
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	40 mm (1.57 in.)		
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 in.)	84.1 x 54.1 x 20.9 mm (3.31 x 2.13 x 0.82 in.)	85.4 x 50.6 x 27 mm (3.36 x 1.99 x 1.06 in.)
Weight	81.5 g (2.875 oz)	106 g (3.739 oz)	94.5 g (3.333 oz)

AY-B1660

Match-On-Card Reader

AY-B2660

Match-On-Card Reader

Major Features

- 2 different designs to accommodate customer requirements and preferences
- Optical back tamper sensor and tamper output signal
- Supports 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-R26 Mifare® card desktop programmer

ACCESS CONTROL

Specification	AY-B1660	AY-B2660
Operating Voltage Range	5 to 16 VDC	
Standby Input Current	60 mA	
Maximum Input Current	135 mA	
Tamper Output	Open collector, active low, max. sink current 32 mA	
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°F)	
Operating Humidity	30% to 85% (non-condensing)	
Dimensions: (H x W x D)	100 x 54 x 42 mm (3.94 x 2.13 x 1.65 in.)	102 x 54 x 32 mm (4.02 x 2.13 x 1.26 in.)
Weight	79 g (2.787 oz)	156 g (5.503 oz)

SMARTCARD READER PROGRAMMER

MD-08B

Programming Interface for Smartcard Readers
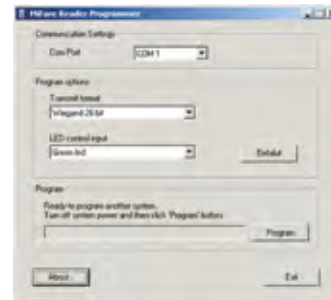
Mifare® Smartcard Programming PC Software
- Transmission format programming
- LED/buzzer control function programming

◼ TIME & ATTENDANCE READERS

AY-F66

Outdoor PIN & Proximity 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	180 mA
Maximum Input Current	315 mA
Max. Proximity Read Range	100 mm (4 in.)
Operating Temp. Range	-20°C to 60°C (-4°F 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 in.)
Weight	230 g (0.507 lb)

■ LONG AND MEDIUM RANGE READERS

LONG & MEDIUM RANGE PROX/PIN & PROXIMITY 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 & Proximity 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	5–6 VDC		10–16 VDC
Standby Input Current	120 mA	150 mA	280 mA
Max. Input Current	140 mA	180 mA	330 mA
Max. Read Range*	220 mm (9 in.)	220 mm (9 in.)	600 mm (23.6 in.)
Operating Temp. Range	-32°C to 63°C (-25°F to 145°F)	-20°C to 63°C (-4°F to 145°F)	-32°C to 63°C (-25°F 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 in.)		300 x 300 x 25 mm (11.8 x 11.8 x 1 in.)
Weight	285 g (0.63 lb)		1066 g (2.4 lb)

*Measured using Rosslare's AT-x14 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 50-m (164-ft) 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	25 mA
Max. Input Current	55 mA
Max. Remote Control Read Range	50 m (165 ft)
Operating Temp. Range	-31°C to 63°C (-25°F 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 in.)
Weight	500 g (1.1 lb)

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 1.5 V Alkaline batteries		
Standby Current	0 mA		
Transmission Current	16 mA		
RF Frequency	E Model: 868.35 MHz C Model: 433.92 MHz		
Max. Remote Control Read Range	50 m (165 ft)		
Operating Temp. Range	-10°C to 50°C (14°F 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 in.)		
Weight	56 g (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-D09M

Indoor PIN Reader with Bell Button

AY-D19M

Indoor PIN & Proximity Reader with Bell Button

Specification	AY-C11	AY-C12	AY-CD12	AY-D11	AY-D19	AY-D09
Input Voltage	12–16 VDC					
Max. Input Current@12 VDC	60 mA					
Standby Input Current@12 VDC	25 mA					
Max. Read Range*	60 mm (2.36 in.)	80 mm (3.15 in.)	80 mm (3.15 in.)	100 mm (3.94 in.)	80 mm (3.15 in.)	100 mm (3.94 in.)
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 in.)		122 x 74 x 18.5 mm (4.803 x 2.913 x 0.728 in.)		130 x 41.7 x 19 mm (5.118 x 1.642 x 0.748 in.)	122 x 74 x 18.5 mm (4.803 x 2.913 x 0.728 in.)
Weight	75 g (2.65 oz)	70 g (2.47 oz)	100 g (3.53 oz)	100 g (3.53 oz)	80 g (2.82 oz)	120 g (4.23 oz)

*Measured using Rosslare's AT-x14 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 User Cards 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 & 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, and 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
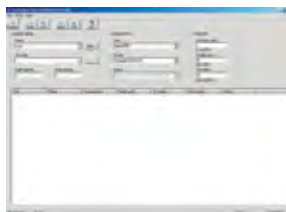
CP-R20U

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 codes 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 communication. The interface is based on two units per door, one located near the controller and the other near the door.

MD-W11N

Wireless Access Control Door
Interface Near Unit

MD-W11F

Wireless Access Control Door
Interface Far Unit

Available models:

MD-W11FHR Far unit on 869 MHz band
MD-W11FGR Far unit on 433 MHz band

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 use with MD-W11BP
- 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

Specification		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 (12 VDC)		160 mA	80 mA	N/A
Standby Input Current (12 VDC)		70 mA	33 mA	N/A
Max. Relay Current		1 A	5 A	N/A
Operating Temperatures		-10°C to 50°C (14°F 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 in.)	13 x 8.7 x 3.2 cm (5.1 x 3.42 x 1.26 in.)	13 x 6 x 3.4 cm (5.1 x 2.72 x 1.34 in.)
Weight		155 g (0.34 lb)	155 g (0.34 lb)	430 g (0.95 lb) including BT-05 battery

COMMUNICATIONS GATEWAYS AND ADAPTORS

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 12 V wall adaptor type power supply

MD-N33

Serial RS-232 to PSTN Adaptor (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 12 V wall adaptor 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
- Comes 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 12 VDC power supply

■ POWER SUPPLIES

Major Features

- Output current from 1.2 A to 5.0 A
- Regulated output voltage: 12 VDC
- Metal cabinet: 205 x 200 x 82 mm (8.1 x 7.9 x 3.2 in.)
- Integral battery charger and automatic battery switching for full UPS operation
- Internal space for a Lead-Acid backup battery of up to 7 Ah
- 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			110 VAC, 60 Hz	
Output Voltage	Regulated 12 VDC				
Maximum Output Current	5.0 A	1.2 A	2.0 A	1.2 A	2.0 A
Operating Temperature	-10°C to 70°C (14°F to 158°F)				
Operating Humidity	0 to 95% (non-condensing)				

PC-P16

12 VDC, 1.2 A Power Supply PCB Unit

PS-C16/U

12 VDC, 1.2 A Power Supply Unit

PC-P17

12 VDC, 2 A Power Supply PCB Unit

PS-C17/U

12 VDC, 2 A Power Supply Unit

PC-P18

12 VDC, 5 A Power Supply PCBA

PS-C18

12 VDC, 5 A Power Supply Unit
(battery not included)

PS-14

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

PS-33

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

PS-30F

DIN Rail Mounted AC-DC Power Supply
- Input voltage: 230 VAC/50 Hz
- Output: 16 VAC, 1.5A, 25VA

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 such as mines, oil rigs and refineries, and military installations.

These buttons are Piezoelectric, non-sparking, with no moving parts, making them extremely reliable and suited for long-life and rugged use in harsh weather and environmental conditions; yet, they are encased within an elegantly-designed, attractive case for the benefit of architects and designers.

*Temperature range appears in the spec tables.

Major Features

- Highly-sensitive Piezoelectric REX button family
- Highly visible light ring with automatically or externally controlled changing colors
- Adjustable lock release time using potentiometer
- Up to 2 A 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 and 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

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	2 A DPDT		2 X 2 A Form-C, N.O. and N.C.		1 A @ 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 of Piezoelectric buttons are heavy duty, non-sparking, non-magnetic, corrosion resistant, illuminated, anti-vandal, and designed for both indoor and harsh weather outdoor use.

The buttons 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 features a virtually unlimited lifespan of over 20 million uses, which is the ideal benefit of Piezoelectric technology. In addition, they are 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 buttons 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 buttons with LED indicator, designed and developed using advanced technology

Piezoelectric buttons with light ring indication, 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
- External power source not required (PX-23)

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

Environmental specification	PX-13	PX-23	PX-33
Operating Environment	Indoor & Outdoor		
Outdoor Usage	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 Specification	PX-13	PX-23	PX-33
Height		19.5 mm (0.77 in.)	
Diameter		29.5 mm (1.16 in.)	
Standard Thread		22 mm (0.87 in.)	
Standard Wires		24 AWG wire (UL1569)	
Pigtail Length		280 mm (11.02 in.)	
Weight		22 g (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
• US Gang Box Size

MP-16

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

MP-J03

MP-H03

MP-M03

Flush Mount Housing For piezoelectric buttons
• Compatible with PX-13, PX-23 and PX-33 piezoelectric buttons

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 AC-C31 and AC-C32 controllers

MP-G02

Flush-Mount Housing for G-Type Readers and Keypads
- Compatible with AYC-G54 and AYC-G64 convertible readers/controllers and AC-G43 and AC-G44 standalone controllers
- Optional enclosure cover is available

CARDS AND TAGS

125 kHz RFID PROXIMITY CARDS

AT-R11

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

AT-R11C

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

AT-T11

ISO 125 kHz Proximity Multiple Read/Write Card

AT-R14

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

AT-R14C

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

AT-T14

Clamshell 125 kHz Proximity Multiple Read/Write Card

13.56 MHz MIFARE® SMARTCARD CONTACTLESS CARDS

AT-T511

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

AT-T512

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

AT-T513

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

■ PROXIMITY TAGS

AT-R261

AT-R271

125 kHz Read-Only Proximity Tags
- Printed ID
- Available in three colors: Black, Gray and Blue

OEM READER MODULES

MD-12C

MD-12W

OEM Proximity Reader Module
- 125 kHz ASK, EM RFID Proximity Reader Module
- Read range of 5 cm (2 in.)
- Input voltage: 5 VDC
- Dimensions: 23 mm (0.9 in.) diameter, 9 mm (0.35 in.) height
- Available in 26-bit Wiegand (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, L-2, L-4, L-6, AuraSys Pro, P6C	64–68
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		PGM Expansions	XO-02, XO-04	70
		Hardwire Expansions	XR-16, XR-16A, MD-64, MD-66	69, 71
	Keypads	LED	KE-16, KE-04, KE-06	66, 69
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		Pet immune	SA-01PW	75
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	Accessories		MD-62, MD-C24, MD-63	72
Wireless	Control Panels	Home Security	HomeLogiX: HLX-40, HLX-40A, HLX-40B	82
		Personal Emergency	SP-03V2	83-84
	Transceivers		XO-01	85
	Universal Receivers		SA-38, SA-22	86–87
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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 products modeled in stylish designs with a protective casing. All of our intrusion detection and protection products are simple to install, simple to operate, and built to last.

They are made of high quality materials that have been designed for all environments and are based on innovative manufacturing procedures. 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 such as 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, offers the 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, supports the entire range of wireless detectors, transmitters, keypads, repeaters, and sirens
- Zone doubling option in all models
- 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					
PGM for Reset	Any					
On-Board PGM outputs, O.C. 120 mA	1					
Sounder Output, 1 A	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	8	N/A	6
Non-volatile Event Log Size	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 (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 (XR-16A)	Yes				No	
Operating Temp. Range	-15°C to 50°C (5°F to 122°F)					
Operating Humidity	0 to 95% (non-condensing)					
Dimensions (H x W x D)	170 x 65 mm (6.69 x 2.6 in.)		170 x 130 x 38 mm (6.69 x 5.12 x 1.46 in.)			
Weight	102 g (3.6 oz)		290 g (10.2 oz)	303 g (10.7 oz)	250 g (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

L-4C

4 to 8-Zone Intrusion
Control Panel

L-6C

6 to 12-Zone Intrusion
Control Panel

L-4D

6 to 12-Zone Intrusion
Control Panel

L-6D

6 to 12-Zone Intrusion
Control Panel

AURASYS™ LITE SYSTEM KEYPADS

The AuraSys™ Lite panels are compatible with a range of system MatrixBUS™ keypads, including the 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 Security System is an advanced system for the residential and light commercial market, featuring an 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 on-board zones (max. of 12 with doubling), expandable up to 16 zones
- 2 O.C. on-board PGM outputs, expandable up to 6 PGM outputs
- 1 A supervised sounder output
- 700 mA Aux output
- Fuseless power & aux. Protection
- 16 User codes + 2 Master users
- 2 Partitions and common partition
- Advanced false alarm prevention features
- Built-in phone dialer and battery charger
- 21.6 x 21.6 cm (8.5 x 8.5 in.) 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, 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)
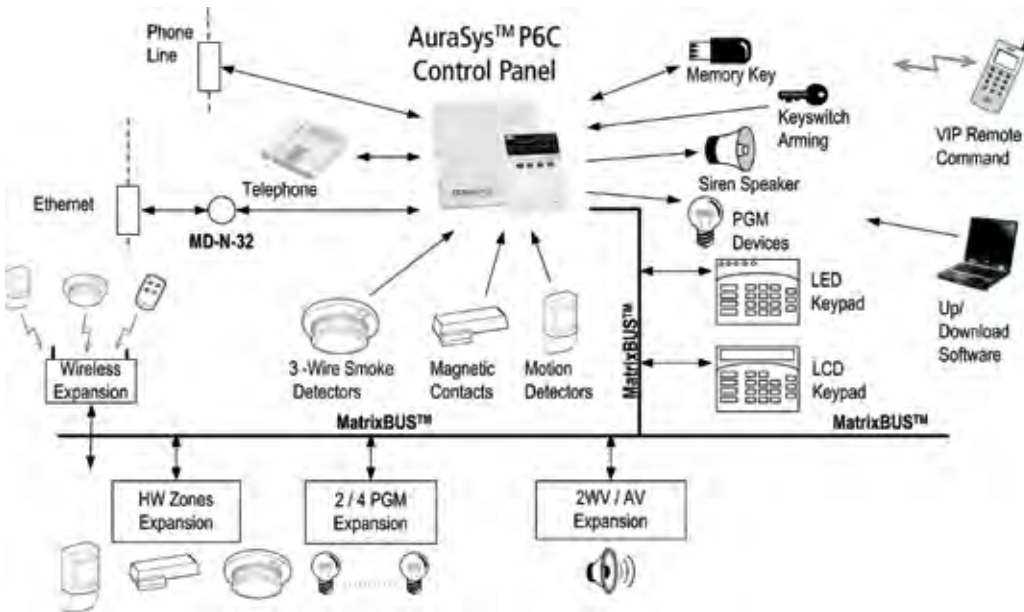
MatrixBUS™ architecture and options

Specification	AuraSys™ P6C
On-Board Zone Inputs	6
Zone Doubling	12
Max. Supported Zones (including expansions)	16
Access Codes	16 users, 2 masters, and 1 installer
Partitions	2 + common
Event Log Size/Partition	256
On-Board PGM Outputs	2 x 150 mA
Max. PGM Supported Outputs	2 on-board; 2 to 4 external
Supervised Siren Output	10k EOL, 2 A max
Sounder Modulation Types	2 (Fire, Regular Alarm)
Auxiliary Power Output	1 x 700 mA
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

AuraSys™ P6C

Hardwire Alarm Control panel

Specification	AuraSys™ P6C
Input Voltage	230 VAC ± 10%
Battery Capacity	7 AH
Battery Backup	4 hr min.
Battery Recharge Period	24 hr max.
Dimensions (H x W x D)	220 x 226 x 81 mm (8.661 x 8.898 x 3.189 in.)
Weight	3 kg (6.614 lb)
Modem	2400 bauds

AURASYS™ PRO SYSTEM KEYPADS

Rosslare has developed LED and LCD keypads for local programming and user activity.

Two additional 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	40 mA Standby 70 mA Scrolling mode	40 mA Standby 300 mA 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 to 95% (non-condensing)	
Dimensions (H x W x D)	150 x 110 x 30 mm (5.9 x 4.33 x 1.18 in.)	150 x 110 x 30 mm (5.9 x 4.335 x 1.18 in.)
Weight	238 g (0.525 lb)	258 g (0.569 lb)

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 to 95% (non-condensing)
- All MatrixBUS™ expansions are available for panel on-board mount or with a 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	35 mA	
Output Relay Voltage:	12 VCD	
Output Relay Current:	5 A maximum	
Indication	Green LED	
Dimensions (H x W x D)	101 x 99 x 35 mm (3.976 x 3.898 x 1.378 in.)	
Weight	146.5 g (0.323 lb)	160 g (0.353 lb)

Peripherals Compatibility

Expansion	P-6C	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 needed 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	35 mA		55–75 mA
LED Indication	Green		Red
Dimensions (H x W x D)	101 x 99 x 35 mm (3.976 x 3.898 x 1.378 in.)		
Weight	138 g (0.3 lb)	143 g (0.32 lb)	

■ **SYSTEM ACCESSORIES**

AuraSys™ MatrixBUS™ MD-62

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

MD-C24

USB to RS-232 Converter Cable
Connects to MD-62. Suitable for computers with no RS-232 connection.

AuraSys™ MatrixBUS™ MD-63

Memory Key for AuraSys™ P6C

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 verifying the current configuration before changing it)
- LEDS for status (green) and trouble (red) indication
- Small size

Specification	MD-63
Input Power	12 VDC
Maximum Input Current	35 mA
Indicator LEDs	2 LEDs (red and green)
Dimensions (H x W x D)	83 x 47 x 22 mm
	(3.27 x 1.85 x 0.87 in.)
Weight	40 g (0.088 lb)

■ AURASYS™ REMOTE PROGRAMMING SOFTWARE

The AuraSys™ Remote programming software has been developed for configuring the AuraSys™ Security System. The program can communicate with the system directly, either 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 upgrade
- Date/time upload/download
- Event Log review and deletion
- Multi-panel configurations control and management
- Default parameters reset
- Three user levels: installer, master and user
- Multi-lingual support

Computer environment

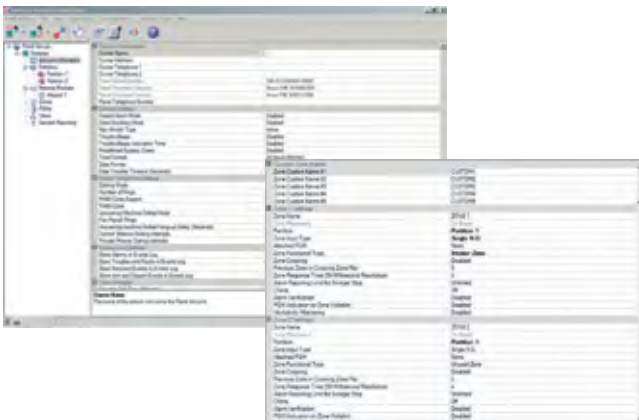- Operating system: Windows® 98/2000/XP/7
- Serial COM ports
- RS-232 to TTL converter (MD-62)

Software environment

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

AuraSys™ AR-P01/AR-P02

Remote Programming PC software Package

Compatible with AuraSys™ P6C

- AR-P01 compatible with AuraSys™ Pro P6C
- 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 various innovative technologies, solutions, and mounts. We offer different types of motion detectors for different environments including; standard PIRs, pet immune, advanced PIRs, microwave and several mounting and design options, as well as several magnetic 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 to 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

PYR-4122

Analog Hardwire Pet Immune Passive Infrared Motion Detector
- Flexibility of operation and installation
- Vertical adjustment – three height scale

Specification	PYR-4122
Detector Type	Dual pyro IR element (IR filter 5 um ÷ 14 um)
Vertical Adjustment	3-position adjustment scale: 1.8 m (6 ft), 2.1 m (7 ft), and 2.4 m (8 ft)
Input Voltage	9–16 VDC
Input Current	10mA @ 12 VDC nominal
Pet Immune	Up to 18 kg (40 lb)
Alarm Signals	Red LED 2 seconds event on event alarm transmission
Relay Output	Solid states relay (SSR) N.C. (35 V/100 mA max)
Dimensions (H x W x D)	110 x 64 x 31.4 mm (4.33 x 2.52 x 1.24 in.)
Weight	90 g (3.175 oz)

SA-01PW

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

Top View

15 m (49 ft)
10 m (33 ft)
5 m (16 ft)
5 m (16 ft)
10 m (33 ft)
15 m (49 ft)

88°

Side View

2.1 m (6.8 ft)

2 m (6.6 ft) 4.5 m (15 ft) 8.7 m (29 ft) 17 m (55 ft) 23 m (75 ft)

SA-01WL

Advanced Hardwire PIR Detector

Top View

10 m (33 ft)

0   100°

10 m (33 ft)

Side View

2.1 m (6.8 ft)

2 m (6.6 ft) 6 m (19.8 ft) 10 m (33 ft) 14 m (46.2 ft)
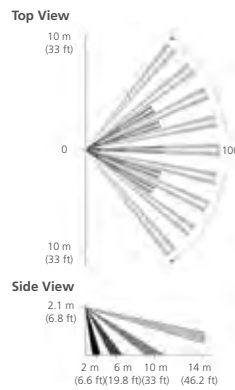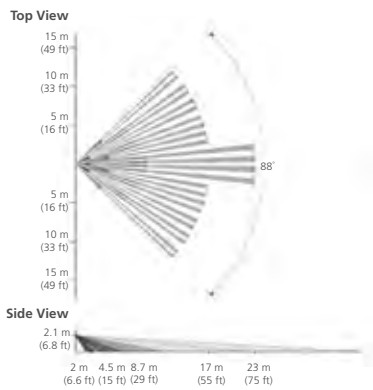
Specification	SA-01WL	SA-01PW
Lens Type and Coverage	14 x 14 m (45.9 x 45.9 ft) High-density Polyethylene type with white light protection optical filter	14 x 14 m (45.9 x 45.9 ft) PET immune multi-zone, high-density Polyethylene type with white light Protection optical filter
Vertical Adjustment	By slot (+/-2°)	
Detector Type	Dual PYRO (IR filter 5 um÷14um)	
Input Voltage	9–16 VDC	9–16 VDC
Current	10 mA@12 VDC nominal	10 mA@12 VDC nominal
Alarm Signaling	2 second LED on (jumper enabled)	2 second LED on (jumper enabled)
Alarm Output	SSR N.C. (35 V/100 mA max)	
Sensitivity	3 levels fuzzy logic (jumper setting)	2 levels fuzzy logic (jumper setting)
Pet Immune	N/A	Up to 25 kg
Supervisory Signals	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 in.)	
Weight	84.2 g (0.19 lb)	

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

18 m (59 ft)
12 m (39 ft)
6 m (20 ft)
0
6 m (20 ft)
12 m (39 ft)
18 m (59 ft)
115°

Side View

2.1 m (6.8 ft)
0.75 m (2.5 ft)   4 m (13 ft)   8 m (26 ft)   14.7 m (48 ft)   18 m (59 ft)
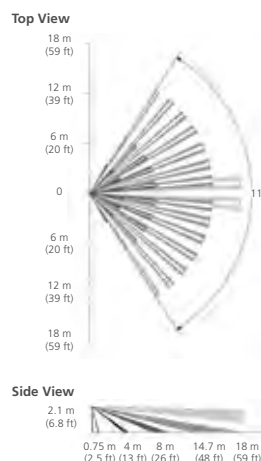
Specification	PYR-0021	PYR-1021	PYR-2021
Lens Type and Coverage	Spherical lens, 115°, 14 x 14 m (46 x 46 ft)		
Vertical Adjustment	No		
Input Voltage	9–16 VDC		
Input Current	15 mA @ 12 VDC nominal		
Indication	Red LED		
Alarm Signals	LED 3 seconds on, Relay Output		
Relay Output	35 VDC 100 mA max N.C.		
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 in.)	107 x 80 x 63 mm (4.2 x 3.15 x 2.48 in.)	127 x 80 x 63 mm (5 x 3.15 x 2.48 in.)
Weight	70 g (0.15 lb)	100 g (0.22 lb)	112 g (0.25 lb)

CEILING PIR DETECTOR

PYR-3021

Hardwire Ceiling PIR Motion Detector
- Extra wide, free height installation, with no PCB adjustment required

Top View
3.5 m (11.5 ft)
2.2 m (7.2 ft)
1.5 m (4.9 ft)
0.5 m (1.6 ft)
0
1.5 m (4.9 ft)
2.2 m (7.2 ft)
3.5 m (11.5 ft)

Side View
0
2.4 m (8 ft)
3.5 m (11.5 ft) 2.1 m (6.9 ft) 1.1 m (3.6 ft) 0.4 m (1.3 ft) 0 0.4 m (1.3 ft) 1.1 m (3.6 ft) 2.1 m (6.9 ft) 3.5 m (11.5 ft)

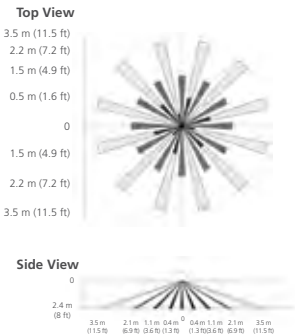| Specification	PYR-3021
Lens Type and Coverage	High-density Polyethylene type, 7 m (23 ft) diameter at 2.4 m (7.874 ft) height
Optical Filter	White light protection
Input Voltage	9–16 VDC
Input Current	10 mA @ 12 VDC Nominal
Detector Type	Quad-matrix PYRO IR element (IR filter 5 um ÷ 14 um)
Alarm Signaling	Red LED 2 seconds on (push button setting)
Alarm Output	Solid states relay (SSR) N.C. (35 V/100 mA max)
Sensitivity	3 levels fuzzy logic (jumper setting)
Temperature Compensation	Digital dual slope (+/- 1°C)
Tamper Switches	Back and front Cover tampers
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 in.)
Weight	84 g (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 and advanced flash microcontroller, as well as 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
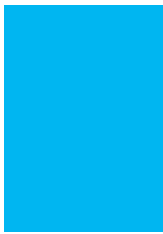
Specification	PYR-2023
Lens Type	Proprietary spherical type
Field of View	115°
Max. Coverage	12 x 12 m (39 x 39 ft)
Microwave Detector	Doppler Technology
Frequency	10.525 GHz
Power Output (min.)	13 dBm EIRP
Input Voltage	9–16 VDC
Input Current	30 mA @12 VDC Nominal
LEDs	3 LEDs
Tamper Switches	Cover tamper and optional back tamper (jumper-selectable)
Supervisory Signals	IR masking signal, trouble output (35 VDC100 mA max, N.C.)
Alarm Signals	Red LED 2 seconds, alarm output (35 VDC100 mA 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 in.)
Weight	130 g (0.287 lb)

■ SMOKE SENSORS

SA-64-2W

2-Wire Photoelectric Smoke Detector

Specification	SA-64-2W
Input Voltage	24 VDC
Detection	0.5%+/- 4% /ft
Maximum Current	35 mA
Standby Current	30 µA
Operating Temperature	0°C to 38°C (32°F to 100°F)
Operating Humidity	0 to 95% (non-condensing)
Dimensions (H x D)	34 x 122 mm (1.34 x 4.8 in.)
Weight	120 g (4.23 oz)

SA-64-3W

Hardwire Photoelectric Smoke Detector

Specification	SA-64-3W
Input Voltage	12 VDC
Detection	0.5%+/- 4% /ft
Maximum Current	70 mA
Standby Current	30 µA
Operating Temperature	0°C to 38°C (32°F to 100°F)
Operating Humidity	0 to 95% (non-condensing)
Dimensions (H x D)	34 x 122 mm (1.34 x 4.8 in.)
Weight	120 g (4.23 oz)

■ 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	28 V @ 1.0 A	28 V @ 1.0 A
Resistance	0.3 Max.	0.3 Max.
Gap	13 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 1.3 Ah 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	600 mA
SPL	103 dB @ 1 m
Flashes/Minute	Programmable
Dimensions (H x W x D)	250 x 250 x 90 mm (9.843 x 9.843 x 3.543 in.)
Weight	3 kg (6.614 lb)

SA-95

Hardwire Mini-Piezoelectric Siren
- Piezo siren with strobe
- Small footprint

Specification	SA-95
Operating Range	6–14 VDC
Rated Current	150 mA
SPL	85 dB @ 100 cm
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 in.)
Weight	200 g (70 oz)

SA-91

Hardwire Piezo Siren & Strobe

• Selectable siren time
• Battery backup and charge
• LED indications for: low battery, tamper, and AC failure

Specification	SA-91
Operating Range	10 VDC ~ 18 VDC
Rated Current	290 mA
SPL	105 dB @ 100 cm
Strobe Type	Ultra bright LED array
Dimensions (H x W x D)	280.4 x 244.8 x 59.0 mm (10.9 x 9.6 x 2.4 in.)
Weight	650 g (23 oz)

SA-96

Hardwire Siren & Strobe

• 3 Piezoelectric sounders
• 10 Ultra bright strobe LED arrays attery backup and charge

Specification	SA-96
Operating Range	6–14 VDC
Rated Current	150 mA
SPL	95 dB @ 100 cm
Strobe Type	Ultra bright LED array
Dimensions (H x W x D)	280.4 x 244.8 x 59.0 mm (10.9 x 9.6 x 2.4 in.)
Weight	650 g (23 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 433.92 MHz (G series) and 868.35 MHz (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, a new and improved version of the HomeLogiX panel, 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-40B)

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 and 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 key fobs, 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

Upload/Download and Configuration PC Software

- Local and remote connection
- Full panel configuration
- Multi-site management
- Online system status
- Online control for arming, PGM and other operations
- Offline 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 built in to a multi-featured desktop speakerphone. Large backlit keys, ultra-sensitive speakerphone/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 Assistant combined with alarm system

- 16 wireless security zones, 8 emergency/remote control transmitters
- TCP/IP and telephony for reporting
- 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 (for 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, 800 mA from an AC-DC transformer
Backup Battery	Supports: BT-05 12 VDC, 800 mAh and BT-16 12 VDC, 2 Ah
Input Current	Standby: 120 mA Maximum: 500 mA
RF Frequency	433.92 MHz (G Series), 868.35 MHz (H Series)
Antenna Type	Printed PCB type antenna
Display	2 lines x 16 character-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-hour 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 24 hours
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 TCP/IP port or telephone line
Listen-In Support	2-way voice session (code protected)
Comfort	Day/night modes, automatic daytime savings adjustments
Advanced Features	Medication reminder (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 in.)
Weight	595 g (1.3 lb) without battery

SA-33S

Wireless Emergency Transmitter/Remote Control

- Compact, light, attractive, hand-held transmitter designed for the Elderly SecuraCare™ system
- Large, centered, and 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
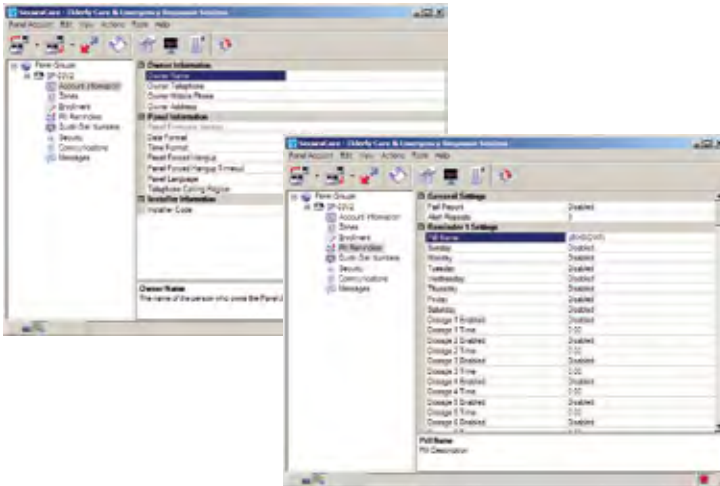- Thin, light bar visual indicator
- Key-chain ready

XO-01

Wireless to Wired Alarm Interface

Specification	XO-01
Output Relay	Normally Open Relay 1A 24 VDC, 0.5A 125 VAC
Maximum Input Current	100 mA
Input voltage	9–16 VDC
Indication	Green LED
Dimensions (H x W x D)	101 x 99 x 35 mm (3.976 x 3.898 x 1.378 in.)
Weight	142g (5 oz)

SecuraCare™ AR-P103 Software

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

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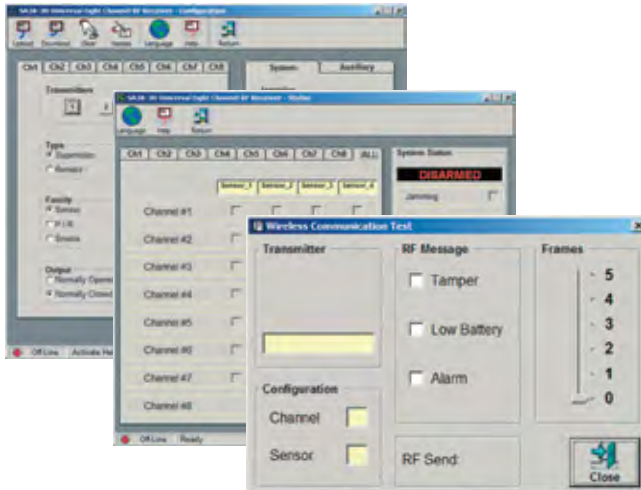- Multi-lingual support

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 13.8 VDC, 800 mA transformer for battery charging
- Internal charger and 6 V lead-acid rechargeable backup battery
- Automated battery test

AS-38

Configuration Software for SA-38
- Full configuration upload/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
- Channel/sensor configuration
- Output configuration
- Enrolling management
- RF test
- Online status
- Serial PC communications using MD-14 interface

WIRELESS SENSORS

WIRELESS PIR + CAMERA DETECTORS

iCYCLOPS PYR-2016

Integrated Wireless PIR & Camera

- VGA/QVGA video camera with a 0.2-in. CMOS image sensor
- Automatically switches between Day & Night modes
- SMS, MMS or email alarm indication delivery
- Real time remote look-in capability.
- Non-clash protocol to prevent WiFi interferences
- Analog and digital motion analysis with internal ambient temperature compensation
- High sensitivity dual-element pyro-sensor, from world-leading manufacturers

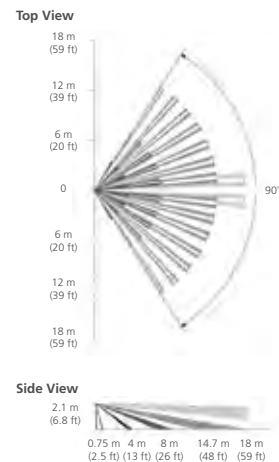| Specification	iCyclops PYR-2016
Sensor	Image sensor 0.2-in. CMOS – VGA black and white or color at up to 30 fps
Number of Effective Pixels	VGA: 640 x 480, QVGA: 320 x 240
Video Quality	480p designed for wide screen 16:9
Compression Format Video	JPEG & MPEG-DPCM image compression
Lens Type	Spherical with mirror SSFL look-down
Field of view	115° horizontal; 100° vertical; 14 m (46 w)
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)	127 x 80 x 63 mm (5 x 3.15 x 2.48 in.)
Weight	125 g (4.4 oz)

■ WIRELESS PIR DETECTORS

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

PYR-2011A

Top View

Advanced Wireless Spherical Lens PIR Detector
- Unique spherical Fresnel lens with look-down area, 12 m range at 90°
- 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

18 m (59 ft)
12 m (39 ft)
6 m (20 ft)
0
6 m (20 ft)
12 m (39 ft)
18 m (59 ft)
90°

Side View

2.1 m (6.8 ft)
0.75 m (2.5 ft) 4 m (13 ft) 8 m (26 ft) 14.7 m (48 ft) 18 m (59 ft)

SA-01

Top View

Wireless Passive Infra-Red Detector
- Digital signal processing
- Digital temperature compensation
- Detection range (standard lens) of 14 m, 140°
- Static and 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
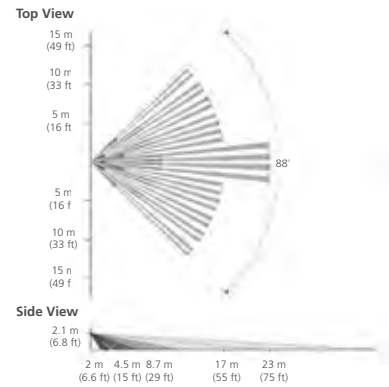
23.5°
5 m (16 ft)
0
5 m (16 ft)

Side View

2.1 m (6.8 ft)
1.2 m (4 ft) 4.1 m (14 ft) 8.6 m (28 ft) 18.7 m (62 ft)
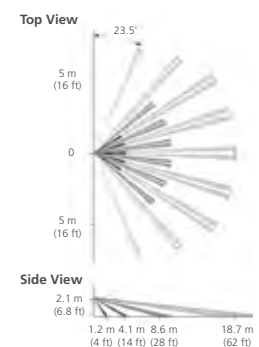
SA-01P

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 14 m, 88°
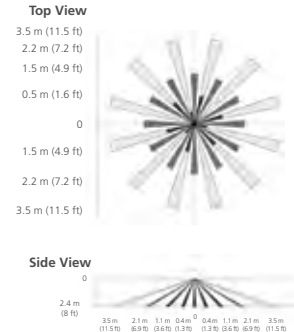- Static and dynamic battery saving modes

Top View

15 m (49 ft)
10 m (33 ft)
5 m (16 ft)
5 m (16 f
10 m (33 ft)
15 n (49 f
88°

Side View

2.1 m (6.8 ft)
2 m (6.6 ft) 4.5 m (15 ft) 8.7 m (29 ft) 17 m (55 ft) 23 m (75 ft)

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 sensitivity levels
- 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: 7-m (23-ft) diameter 360° @ 2.4-m (7.874-ft) height
- Static and dynamic battery saving modes

Top View

3.5 m (11.5 ft)
2.2 m (7.2 ft)
1.5 m (4.9 ft)
0.5 m (1.6 ft)
0
1.5 m (4.9 ft)
2.2 m (7.2 ft)
3.5 m (11.5 ft)

Side View

0
2.4 m (8 ft)
3.5 m (11.5 ft) 2.1 m (6.9 ft) 1.1 m (3.6 ft) 0.4 m (1.3 ft) 0.4 m (1.3 ft) 1.1 m (3.6 ft) 2.1 m (6.9 ft) 3.5 m (11.5 ft)

Specification	SA-01	PYR-2011	PYR-3011	SA-01P
Standby Input Current	15 µA	15 µA	15 µA	15 µA
Maximum Input Current	10 mA	10 mA	10 mA	10 mA
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 in.)	127 x 80 x 63 mm (5 x 3.15 x 2.485 in.)	106.5 x 30.85 mm (4.192 x 1.214 in.)	106.5 x 30.85 x 70.7 mm (4.192 x 1.214 x 2.78 in.)
Weight	89 g (2.97 oz)	112 g (3.95 oz)	106 g (3.74 oz)	106 g (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 in.) 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) 1.5 V, 105 mAh Alkaline cell
Battery Life	2 years (avg. 50 transmissions per day)
Input Current	Standby: 5 µA, 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 m (4.9 ft)
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	>30 V/m up to 1 Ghz
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
- 3 V, 1300 mAh Lithium battery operated for over 2 years of battery life
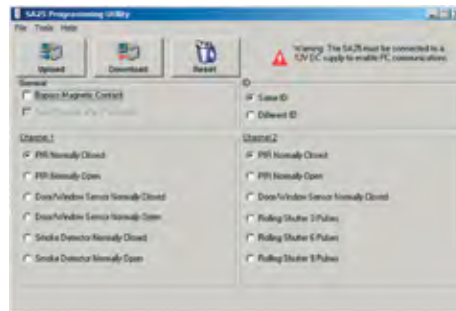
SA-25

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
- 3 V, 1300 mAh 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
- 3 V, 1300 mAh Lithium battery, over 4 years of battery life
- 6-meter (20-ft) 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, they provide 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 and dynamic battery saving modes
- Highly flexible, select the desired sensor, degree of sensitivity and transmission mode

Specification		SA-20
Battery		CR2477
Battery Voltage & Capacity		3 V, 1000 mAh
Input Current		Standby: 20 µA, Maximum: 14 mA
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 in.)
Weight		48 g (1.69 oz)

■ WIRELESS SMOKE SENSORS

Rosslare's new smoke detector, with a highly reliable wireless technology, provide the ultimate protection for residential and commercial applications. Encased in a compact elegantly designed shell, the smoke detector provides the most reliable, convenient, and cost-effective solution for fire detection. The smoke detector can be mounted on walls or ceilings, quickly installed and easily maintained. It preserves the beauty of your property while protecting it twenty-four hours a day and seven days a week.

Features

- 3 V CR123 battery for the detector
- Local alarm sounder
- LED indicator for transmissions
- Detector removal tampering and low battery messages

SA-61

Wireless Photoelectric Smoke Detector

Specification	SA-61
Input Voltage	3 V Lithium battery
Detection	0.5% +/- 4% /ft
Maximum Current	75 mA
Standby Current	30 µA
Operating Temperature	0°C to 38°C (32°F to 100°F)
Operating Humidity	0 to 95% (non-condensing)
Dimensions (H x D)	34 x 122 mm (1.34 x 4.8 in.)
Weight	120 g (4.23 oz)

WIRELESS REMOTE-CONTROLS

WIRELESS KEY FOB AND PANIC BUTTONS

SA-33

Wireless Key Fob 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
- 12 V, 23 A 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 of battery life

Specification	SA-33	SA-03	SA-04
Battery	3 V CR2450 Lithium Cell	12 V Alkaline battery (MN-21 or GP-23 A)	3 V Lithium 165 mAh (non-removable)
Maximum Current	15 mA	17 mA	15 mA
Standby Current	<1 µA	0 A	0 A
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 in.)	76 x 37 x14.5 mm (3 x 1.5 x 0.57 in.)	Diameter x Height 45 x 14 mm (1.77 x 0.6 in.)
Weight	21 g (0.74 oz)	28 g (1 oz)	12.5 g (0.44 oz)

*All weights include 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	2 AAA 1.5 V Alkaline Batteries		
Standby Current	0 mA		
Transmission Current	16 mA		
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 in.)		
Weight	56 g (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
- 1800 mAh rechargeable backup battery for 24 hours of backup
- Operated with 12 VDC external DC transformer
- Case and back tamper switches

SA-80

Wireless Siren and Strobe Annunciator
- Output level of 103 dB with sound volume control
- Generates different sound signal 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 minutes

SA-505

Wireless Multi-layer Repeater
- Daisy-chained up to 8 units
- 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

SA-90

Hardwire Piezo Siren & Strobe
- Battery backup and charge
- LED indications for: low battery, tamper, and AC failure

Specification	SA-90
Operating Range	15 VDC from adaptor
Rated Current	290 mA
SPL	105 dB @ 100 cm
Strobe Type	Ultra bright LED array
Dimensions (H x W x D)	280.4 x 244.8 x 59.0 mm (10.9 x 9.6 x 2.4 in.)
Weight	670 g (24 oz)

WIRELESS KEYPADS

KE-30, a unique wireless keypad, combines a two-way RF, a built-in proximity reader, continuous visual status indications, an audio sounder for notifications and delay beeps, command keys, a 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 of 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 1300 mAh batteries
Battery Life	1 year, under normal operating conditions
RF Range	Up to 35 m (100 ft) indoor, depending on environmental factors
RF Bands	H Band (868.35 MHz) G Band (433.92 MHz)
RFID Reader	125 kHz Standard EM compatible
RFID Range	Up to 25 mm (1 in.) 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 in.)
Weight	99 g (0.22 lb)

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 backup (included space for standard Lead-Acid, 800 mAh battery)
- 4 programmable inputs
- 3 O.C. outputs and a 1 A 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 back up the telephone line (PSTN) in case of telephone line failure or acts as the primary reporting mean and GPRS communication to upload/download data to/from the control panel.

- Compact 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

AS-34

Photoelectric Smoke Detector

AS-36

Maximum Heat Sensor

AS-37

Maximum Heat Rise Sensor

Specification	AS-34	AS-36	AS-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	25 mA	85 mA	85 mA
Standby Current	10 μA	10 μA	10 μA
Operating Temperatures	0°C to 40°C (32°F to 104°F)		0°C to 60°C (32°F to 140°F)
Operating Humidity	10% to 90% (non-condensing)		
Dimension (H x W x D)	40 x 108 mm (1.57 x 4.25 in.)	40 x 108 mm (1.57 x 4.25 in.)	
Weight*	181 g (0.4 lb)	165 g (0.36 lb)	

*All weights include batteries (9 V Alkaline batteries)

■ BRACKETS

BR-12

Smart Swivel Wall/Ceiling Bracket
- Compatible with PYR-4122
- Ceiling mount configuration allows installation of regular wall mount detectors to be mounted on the ceiling easily
- Wide angle rotation range
    - Up to +/- 60° horizontal adjustment (wall mount)
    - Up to 55° vertical adjustment (wall mount)
- Hidden, tamper-proof wiring installation
- Small footprint yet sturdy and secure with an effective, strong mechanical lock mechanism

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, 800 mA

PS-DC1613

AC to DC adaptor

PS-AC1640

AC to AC transformer

PS-AC1625D

AC to AC transformer

Specification	PS-DC1613	PS-AC1640	PS-AC1625D
Input	120 VAC, 60 Hz		220 VAC
Output	16 VDC, 800 mA	16 VAC, 2.5 A	16 VAC, 1.5 A
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 in.)		106 x 70 x 55 mm (4.17 x 2.76 x 2.16 in.)
Weight	820 g (1.808 lb)		757 g (1.669 lb)

PS-DC1204/PS-DC1512

AC to DC Switcher Power Supplies

PS-DC2429

AC to DC Switcher Power Supply

PS-DC2465

AC to DC Switcher Power Supply

Specification	PS-DC1204	PS-DC1512	PS-DC2429	PS-DC2465
Input	100–240 VAC, 50–60 Hz			
Output	12 VDC, 300 mA	15 VDC, 800 mA	24 VDC, 1.2 A	24 VDC, 2.7 A
Operating Temperature	-10°C to 40°C (14°F to -104°F)			
Operating Humidity	30% to 85% (non-condensing)			
Dimensions	72 x 28 x 56.8 mm (EU) 72 x 28 x 44 mm (US) 72 x 50 x 45.5 (GB)	82.5 x 34 x 60.7 mm (EU) 82.5 x 34 x 50.4 mm (US) 82.5 x 50 x 51 mm (GB)	90 x 54 x 53.2 mm(EU) 90 x 54 x 35.7 mm (US) 90 x 54 x 48 mm (GB)	122 x 54.6 x 35.5 mm
Weight	81.7 g (EU) 74 g (US) 88.7 g (GB)	106.8 g (EU) 101.8 g (US) 112 g (GB)	182 g (EU) 176.1 g (US) 185.7 g (GB)	392.7 g

BT-05

Compact 12 V Sealed
Lead Acid Battery
• Output: 12 VDC, 800 mAh

BT-16

Compact 10-cell Lithium-Ion
• 12 VDC, 2 Ah battery

Data Acquisition Reader		GC-01	108
Docking Station	Charging+Data	GC-02	108
	Charging Only	GC-03	109
Remote Communicator/Storage		GC-50	109
Location Tag		GA-01	110
Event Wallet		GA-12, GA-02	110
Accessories	Leather Holster	GA-06	111
	Interface Cable	GA-05	111
	Personal iButton	AT-32B	111
Software	DigiTool Reports Lite	GS-01	112
	DigiTool Call Center	GS-02	112

GUARD PATROL

Rosslare's DigiTool Guard Patrol system's success is a product of Rosslare's decades of experience in guard-based security, for both the private and public sectors. For this reason, it is the best cost-benefit guard patrol management platform available on the market today. 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 unit.

DIGITOOL-GUARD PATROL SYSTEM

SYSTEM COMPONENTS

DATA ACQUISITION READER

GC-01

Data Acquisition Reader
- iButton reader
- Rugged and waterproof
- Internal Lithium-Ion 1800 mAh rechargeable battery for 6-month use or 300,000 readings
- 8000 time-stamped readings storage capacity
- 360 degree visual reading indication
- Sound, visual, and vibration read indication
- Water and 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 and power ports for desktop or wall mount installation
- Local iButton reader to enroll locations, events, and user tags to PC
- 12 VDC, max. 500 mA power adaptor
- 3-colored LED and buzzer indications
- Water and dust resistant design

DigiTool™
Digital Data acquisition

GC-03

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

GC-50

Remote Storage/Communicator
- Upload/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 and 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	6 µA	0.1 mA	30 mA
Maximum Input Current	21 µA	500 mA	150 mA
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)	-20°C to 60°C (-4°F to 140°F)	
Operating Humidity	0 to 95% (non-condensing)		
Dimensions (H x W x D)	175 (H) x 33 (Dia) mm (6.89 (H)x 1.3 (Dia) in.)	100 x 82 x 80 mm (3.94 x 3.23 x 3.15 in.)	150 x 120 x 30 mm (5.90 x 4.72 x 1.18 in.)
Weight	225 g (0.5 lb)	200 g (0.44 lb)	230 g (0.507 lb)

DigiTool™
Digital Data acquisition
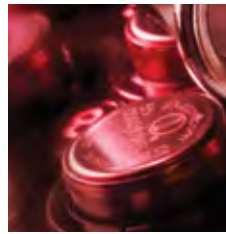
TAGS AND EVENT WALLETS

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 multiple 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

DigiTool™
Digital Data acquisition

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

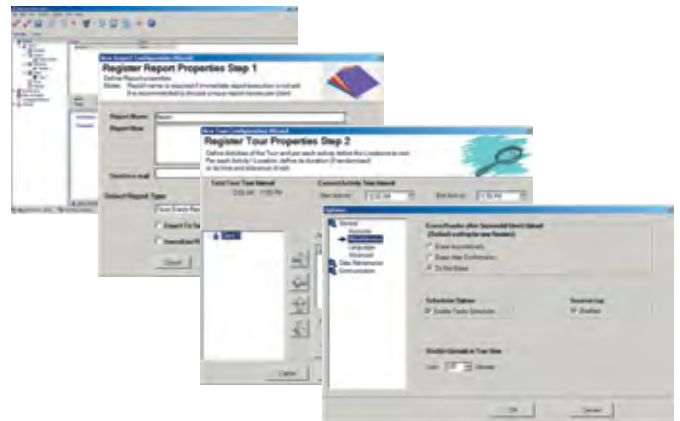## GUARD CONTROL MANAGEMENT SOFTWARE

GS-01

GS-02

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

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 creating most objects
- Tree view based object structure
- Graphical maps for site hierarchy

DigiTool™
Digital Data acquisition

SALES & TECHNICAL SUPPORT

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5504-0000006-00

ROSSLARE
SECURITY PRODUCTS