

ROSSLARE
SECURITY PRODUCTS

ROSSLARE

ACCESS CONTROL PRODUCT CATALOG

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PIN Only, Biometric, Desktop, Modules

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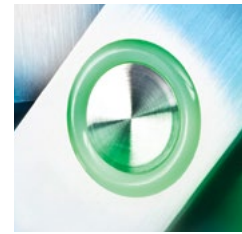
63-64 TURNKEY KITS, ACCESS CONTROL KITS

ACCESS CONTROL



Rosslare Security Products offers a range of cost-effective, sophisticated solutions meeting nearly any access control challenge. Our rich access control product offering includes: networked multi-door controllers; standalone door controllers; convertibles; Proximity/PIN, biometric, and indoor/outdoor readers implementing various technologies and formats; a wide range of accessories, including intelligent power supplies, stylish REX buttons, and magnetic locks; and PC monitoring and configuration programs.

Featuring the latest technologies and industrial design concepts, we are certain you will find the right access solution for your application.

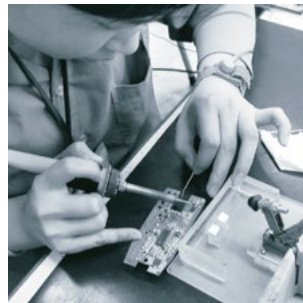


With Rosslare, you receive the

ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/Alarm integration.

With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. With our three cost-effective product lines – Access Control, Guard Patrol, and Intrusion – partnering with Rosslare Security is the smart decision.



EXPERIENCE THE DIFFERENCE

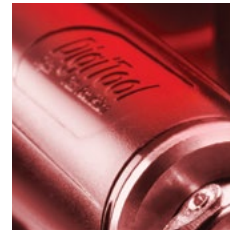
Rosslare provides an impeccable level of pre- and post-sale service and support. Whether it's working with you to complete an RFP or helping you upgrade our AxTraxNG™ cross-platform software suite, we give each and every one of our customers personalized attention and accessibility. With more than three decades of manufacturing experience, we continually strive to improve ourselves in order to deliver you the most dependable and highest quality products in the industry. Through Rosslare offices and channel partners, we bring our products and knowledge to you locally, in your language and with the specific feature set that you require.

OEM AND PRIVATE LABEL SERVICES

Rosslare provides OEM and Private Label services – from design to manufacturing – to some of the leading brand names in the security world. Our state-of-the-art, mass volume, 10,000 square meter production facility in Shenzhen meets the strict requirements of the world's most demanding OEM and private label customers.



best of all worlds



INTERNATIONAL STANDARDS AND CERTIFICATIONS ISO 9001:2015, ISO 14001:2004 and EN ISO 13485:2012/AC:2012

Rosslare Security does not compromise in its commitment to compliance with the most stringent global quality assurance, public safety, and insurance industry standards such as CE, UL, and FCC. The Company's production facility complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS), and we maintain ISO 9001:2015, ISO 14001:2004, and EN ISO 13485:2012/AC:2012 certifications.

ISO 9001 certifies the Company's professional implementation of international quality control standards and operating procedures that define the principles and good practices of manufacturing processes.

ISO 14001 certifies the Rosslare environmental management system that reduces energy use and waste, cuts costs by improving efficiency, meets worldwide legal obligations, and prepares us and our customers for the constantly changing business landscape.

EN ISO 13485:2012/AC:2012 (Medical Devices) certifies Rosslare for the design, development, and manufacturing of customized rechargeable power solutions for medical device applications.

Rosslare Security products have also been tested and certified by the TÜV Rheinland safety and certification group.



TRAINING AND SUPPORT

Our global Technical Training and Support group provide pre-sales training and post-sales support services out of Hong Kong, Shenzhen, Mumbai, Dallas, Buenos Aires, and our European facility. The Rosslare training and support team prides itself on bringing a wealth of knowledge and expertise to your doorstep, with the explicit goal of helping you meet your technical challenges.

We provide both remote and in-house educational and support services, including on-site customer seminars, webinars, FAQ, and live chat. Our professional team of engineers and technicians are at your service 24/7, possessing the critical training skills and implementing the latest technologies to help you and your customers meet every challenge.

CUSTOMER SATISFACTION

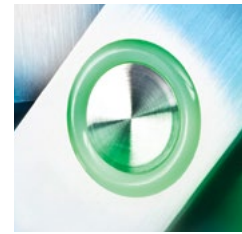
Meeting and exceeding the expectations of our customers is our #1 priority. That is why Rosslare products are designed to be user-friendly, intuitive, and highly reliable. Everyone along the value chain knows to expect ease-of-use and value-for-money when investing in Rosslare products.

ACCESS CONTROL PRODUCT SELECTION GUIDE

Controllers	AxTraxNG™			AC-215, AC-215IP, AC-225, AC-225IP, AC-425, AC-425IP, AC-825IP, ME-1515, MD-D02, MD-D04, MD-I084, R/S/D/P-805, AX-NG, AX-AV, AX-TM	8-12	
	Accessories			MD-W11N/F, MD-W11BP	13	
	Wiegand			AC-115, AS-115, AC-015, AC-020, AS-015	14-15	
	Standalone	Anti-Vandal			AC-Q41H, AC-Q41HB/HP/SB, AC-Q42H, AC-Q42HB/HP/SB, AC-Q44	16
		Anti-Vandal Piezoelectric			AC-S43, AC-T43	17
		Outdoor Backlit PIN / Proximity & PIN	PIN		AC-F43, AC-G43	18
			Proximity & PIN		AC-F44, AC-G44	18
Indoor PIN / Proximity & PIN	Proximity & PIN		AC-A42, AC-B32, AC-C32, AC-D32	19		
Readers	UHF			AY-L23, SA-23-B2, SA-23-B4, AY-U910, MD-81	20	
	13.56 MHz – O2S®			AY-H6270B/AY-H6280B, AY-H6370B/AY-H6380B, AY-G6270B/AY-G6280B, AY-G6370B/AY-G6380B	21	
	13.56 MHz – CSN SELECT™			AYC-M6355, AYC-H6355, AY-K6255, AY-M6255, AY-H6255, AYC-Q6355, AY-L6255, AY-Q6255, AY-R6255	22-23	
	13.56 MHz – CSN SMART™			AY-H6255BT, AY-H6355BT	24	
	13.56 MHz – MIFARE® Classic EV1	MIFARE® Contactless Smart Card		AY-H25B, AY-L25B, AY-K25B, AY-M25B, AY-M26, AY-W6260, AY-W6360, AY-Q6260, AY-Q6360	25-27	
	125 kHz – Rosslare Proximity & goPROX®	Proximity			AY-H12C, AY-L12C, AY-K12C, AY-M12C, AY-Q12C, AY-E20	28
		Convertible Proximity & goPROX®			AYC-F64, AYC-G64, AYC-M60, AYC-F60, AYC-G60	29
		Convertible			AYC-E65BW/E65BG/E65BB, AYC-E60N/B, AYC-T65N, AYC-T65B	30
		Anti-Vandal Proximity			AYC-Q65, AYC-Q64B, AYC-Q60	31
		Multi-Color			AY-R12	32
		Indoor Proximity			AY-CR11W, AY-CR12W, AY-DR11W, AY-DR12W	33
		Indoor Proximity & PIN			AY-C19M, AY-D19M	33
		Outdoor Proximity & PIN			AY-F66	34
Long- & Medium-Range Proximity			AY-V12B, AY-V64B, AY-Z12A	35		

ACCESS CONTROL PRODUCT SELECTION GUIDE

Readers	PIN Only			AYC-F54, AYC-G54, AYC-Q54B, AY-C09M, AYC-E55, AY-D09M	36-37
	Biometric			AY-B1660, AY-B2660/AYC-B7661, AYC-W6500, AS-W6500	38-39
	Desktop Readers			DR-12C, DR-6255, DR-6280	39
	Modules			MD-12C, MD-12W	39
Credentials	UHF ALIEN HIGGS-3 SERIES				40
	13.56 MHz MIFARE® Classic EV1, Plus S, Plus X, & DESFire® EV1				41-49
	125 kHz TEMIC & EM COMPATIBLE				50
Switches	Security			EX-06, EX-07, EX-16, EX-17, EX-H04, EX-M04, EX-H22, EX-M22, EX-01, EX-02	51-52
	General-Purpose Industrial			PX-13, PX-23, PX-34	53
	Switch Accessories			MP-06, MP-16, MP-J03, MP-H03, MP-M03	54
Locks	EM Locks			LK-M12L, LK-M06L, LK-M03	55-56
	EM Locks Accessories			LA-L12, LA-L06, LA-L03, LA-Z12, LA-Z06, LA-Z03, LA-U12, LA-U03	55-56
Power Supplies				PC-25T, PC-25LT, PS-A25T, PS-C25T, PS-C25TU, PS-C25LT, PS-30F, PS-14, PS-33, PS-C16, PS-C16U, PC-P16, PS-C17, PS-C17U, PC-P17, PS-C18, PC-P18	57-59
Accessories	Card Programmers			CP-R26, AS-B01, CP-R20U	60
				MD-N32, BL-D40, MD-14U, MD-24U, MD-08, MD-08B, MP-Z02, MP-K01, MP-C02, MP-G02	61-62
Turnkey kits, Access Control Kits				MS-K825IP, MS-K225IP, AC-K01E/L, AC-K02E/L, AC-K03, AC-K04E/L, AC-K06E/L, AC-K07E/L, AC-K10, AC-K14E/L, AC-K16C/F/S, AC-K15E/L	63-64



CONTROLLERS

AXTRAXNG™ PLATFORM



AC-215



- 5,000 users
- Single/dual door

Scalable Networked Access Controller

AC-215IP



- 30,000 users
- Single/dual door

Advanced Scalable Networked Access Controller with Onboard TCP/IP Module

AC-225

Advanced Scalable Networked Access Controller



AC-225IP

Advanced Networked Access Controller with Onboard TCP/IP Module

- 30,000 users
- Single/dual door
- Expandable to 4 doors

AC-425

Advanced Scalable Networked Access Controller



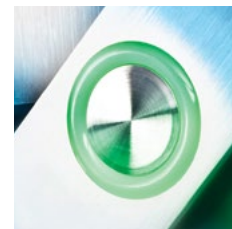
AC-425IP

Advanced Networked Access Controller with Onboard TCP/IP Module

- 30,000 users
- Single/dual door
- Expandable to 8 doors

Major Features

- Suitable for medium-scale to large-scale installations
- Networked up to 1023 panels
- Supports up to 30,000 users and an event history of up to 20,000 entries per controller
- Scalable and flexible – Fits a wide range of applications
- Easy and fast installation
- Powerful and secure
- Car parking management
- Wiegand protocol customization
- 2-user authentication: Card + Card on door for high-level security
- Global antipassback
- Includes integration tools (SDK)
- Available in multiple languages
- 32 time zones and 64 holidays



AC-825IP



Advanced Scalable Networked Access Platform

- Up to 100,000 users
- Supports up to 6 doors – expandable to 10 doors

ME-1515



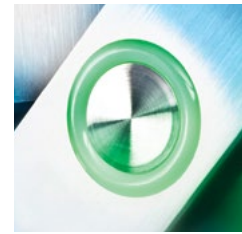
- ME-1515 case for the AC-825IP board and expansions

Major Features

- Suitable for medium-scale to large-scale installations
- Networked up to 1023 panels
- Supports up to 100,000 users and an event history of up to 500,000 entries per controller
- Onboard TCP/IP networking with AES 128-bit data encryption to an AxTraxNG server, bi-directional push communication for enhanced data transmission speed and reliability
- One onboard expansion slot and an additional 12 expansion boards via OSDP (R/S/D/P-805)
 - R-805 – 16 outputs
 - S-805 – 16 inputs
 - D-805 – 4-door expansion
 - P-805 – 16 inputs and 8 outputs
- DIN rail mounting option for space saving
- Revolutionary enclosure with illumination bar that lights up when enclosure is opened, tamper sensing, and power status LED
- C14 power cord for easy power supply to the enclosure
- 256 multi-segmented time zones and 64 holidays

Networked Controllers – Feature Comparison

Specification	AC-215	AC-215IP	AC-225/225IP	AC-425/425IP	AC-825IP
Standby Current Consumption	125 mA	120 mA	80 mA (basic unit)		0.5 A (including 6 readers) 1.2 A with the D-805 (including 10 readers)
Maximum Current Consumption	300 mA		300 mA (basic unit)	300 mA (basic unit)	2.1 A (including 4 readers) 3.9 A with the D-805 (including 10 readers)
Relay Outputs	4 x Form-C, 5 A				6 x Form-C, 5 A
Inputs	4 high-impedance		4		12
Enclosure Dimensions (H x W x D)	264 x 334 x 84.5 mm (10.4 x 13.2 x 3.4 in.)				346 x 404 x 101 mm (13.6 x 15.9 x 4.0 in.)
Weight	3.8 kg (8.4 lb)				4.6 kg (10.1 lb)
Operating Temp. Range	0°C to 49°C (32°F to 120.2°F)				-5°C to 50°C (23°F to 122°F)



EXPANSIONS

MD-D02



- 2-Reader Expansion
- 2 multi-format reader ports
 - 4 supervised, 4-state, dual EOL inputs
 - 4 fully-programmable, 5 A Form-C relay outputs
 - Optional expansion for AC-225

MD-D04



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

MD-IO84



- IO Expansion Card (PCB)
- 8 supervised, 4-state, dual EOL inputs
 - 4 fully-programmable, 5 A Form-C relay outputs
 - Optional expansion for AC-225, AC-425

R,S,D,P-805



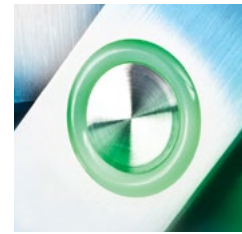
R-805

S-805

D-805

P-805

Specifications	R-805	S-805	D-805	P-805
Enclosure	ME-1515			
Enclosure SMPS	Input: 90 to 265 VAC, 50–60 Hz, Switch mode power management board Output: 12 VDC, 4 A			
PCBA Input Power	12 VDC, 2 A, regulated power management board			
Relays 5 A, Form-C	16	N/A	4	8
Inputs	N/A	16	8	16
Readers (Wiegand+OSDP)	N/A	N/A	4	N/A
Expansion Port	N/A			
Connectivity	OSDP			
Operating Temperature Range	-5°C to 50°C (23°F to 122°F)			
Enclosure Dimensions (H x W x D)	346 x 404 x 101 mm (13.6 x 15.9 x 3.9 in.)			
Enclosure Weight (ME-1515)	4.6 kg (10.1 lb)			
PCBA/Expansion Board Dimensions	175 x 85 mm (6.9 x 3.3 in.)			
PCBA/Expansion Board Weight	150 g (5.3 oz)			



ACCESS CONTROL SOFTWARE

Rosslare's AxTraxNG™ is a complete server-client software management system enabling management of modular networked access control panels. The AxTraxNG management software is user-friendly, intuitive, reliable, and rich in functionality. AxTraxNG integrates and deploys various security, Time & Attendance, and VMS applications with ease. The system integrates the most advanced security technologies with innovative networking capabilities.



PC Client/Server Management Software for Professional Networked Controllers

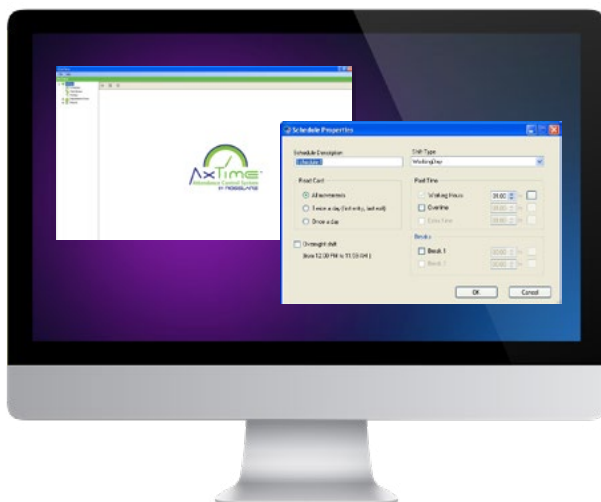


AX-NG

- User-friendly PC software with intuitive layout reduces the complexity of access control
- Manages user data, photo and information fields, access rights, alarms, strike time, and door mode, all from one central location
- Produces reports from acquired data, such as entry and exit times, as well as alarm types initiated by user, location, and time events
- Car parking management
- Available in multiple languages and date formats
- Compatible with additional video management software modules from Rosslare (ViTrax™)
- Integrates with Hikvision and Dahua
- VMS Compatible

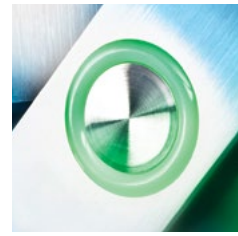


AxTime™ Time & Attendance Client Software

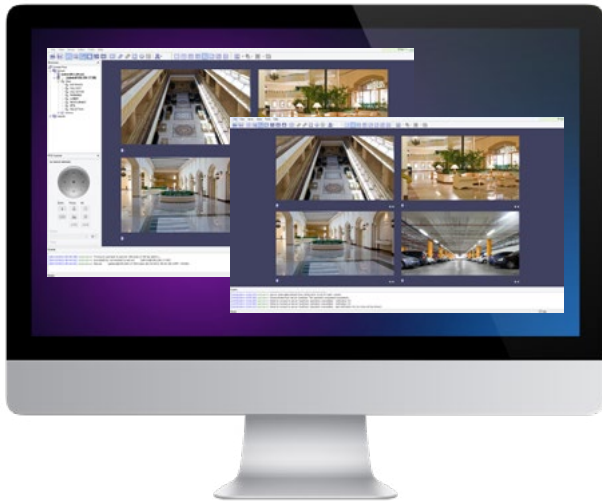


AX-TM

- Communicates directly with the server's database
- Produces reports from acquired data, such as usage reports, attendance records, visitors, and roll calls
- Available in multiple languages
- Password controlled for high level of security. Uses the same permission rights of defined operators as in the AxTraxNG
- User-friendly software with intuitive GUI helps reduce the complexity of installation

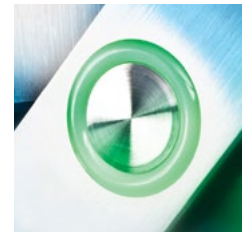


A VMS Solution Supporting IP Cameras



AX-AV

- Full video and audio management for third-party cameras
- Scheduled recording and backup management
- Multiple video viewport screens, can be arranged as desired
- Full event integration (inputs, alarms and other system events) with AxTraxNG links
- Multi-lingual support, detailed authorization management, alarm and event handling, and more



NETWORKED ACCESS CONTROL ACCESSORIES

MD-W11N



Wireless Access Control Door Interface Near Unit

MD-W11F



Wireless Access Control Door Interface Far Unit

MD-W11BP



Wireless Access Control Interface Power Backup Unit

Available models:

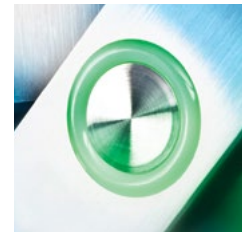
MD-W11FHR Far unit on 868 MHz band

MD-W11FGR Far unit on 433 MHz band

Major Features

- Maximum range of 70 m (230 ft) indoors, up to 300 m (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 response time of the controller and reader.
- 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
Standby Input Current (12 VDC)		70 mA		N/A
Max. Input Current (12 VDC)		160 mA		N/A
Max. Relay Current		1 A	5 A	N/A
Operating Temperature Range		-10°C to 50°C (14°F to 122°F)		
Operating Humidity Range		0 to 95% (non-condensing)		
Dimensions (H x W x D)		13 x 8.7 x 3.2 cm (5.1 x 3.4 x 1.3 in.)	13 x 8.7 x 3.2 cm (5.1 x 3.4 x 1.3 in.)	13 x 6.9 x 3.4 cm (5.1 x 2.7 x 1.3 in.)
Weight		155 g (5.5 oz)	155 g (5.5 oz)	430 g (15.2 oz) including BT-05 battery



WIEGAND CONTROLLERS

AC-115



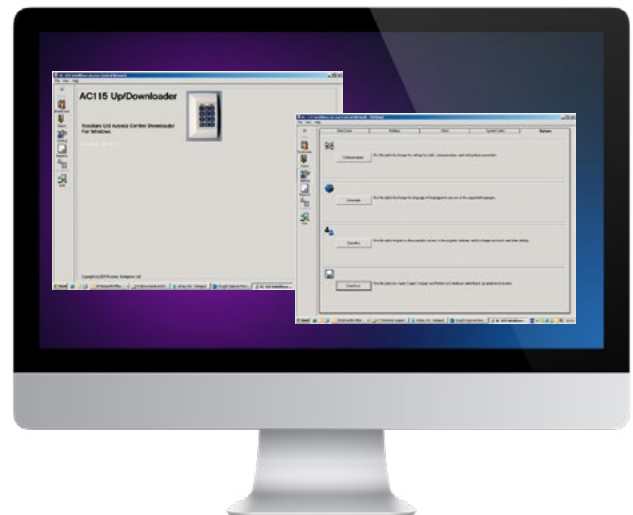
Compact Networked Single-Door Controller

Major Features

- Supports 2 Wiegand 26-Bit readers (In/Out)
- 3 programmable modes: Unlock, Normal, Secure
- 2400 cardholders capacity
- Event history size of up to 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

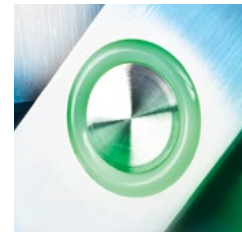
Specification	AC-115
Power Supply Voltage	16.5 VAC
Power Supply Standby Current	65 mA
Power Supply Maximum Current	120 mA
Relays	Lock: Form-C 5 A, Aux: 1 A
Inputs	2 dry contacts
Dimensions (H x W x D)	134 x 85 x 30 mm (5.3 x 3.3 x 1.2 in.)
Weight	220 g (7.8 oz)
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
Cardholder Capacity	2,400
Event Log Size	2,000
Reader Ports	2 x Wiegand 26-Bit
Connectivity	RS-485
Time Zones and Holidays	8/24
Networking Segment (max.)	8

AS-115



Compact Access Control Management Software

- Lite management SW for AC-115 networked controllers
- Supports setup, monitoring, and database management options
- User-friendly Time & Attendance application with extensive reporting capabilities



AC-015



Single-Door, 2-Reader Standalone Controller

- Single-Door controller (IN/OUT)
- 5 A lock relay
- 1 A tamper output

AC-020



2-Door, 2-Reader Standalone Controller

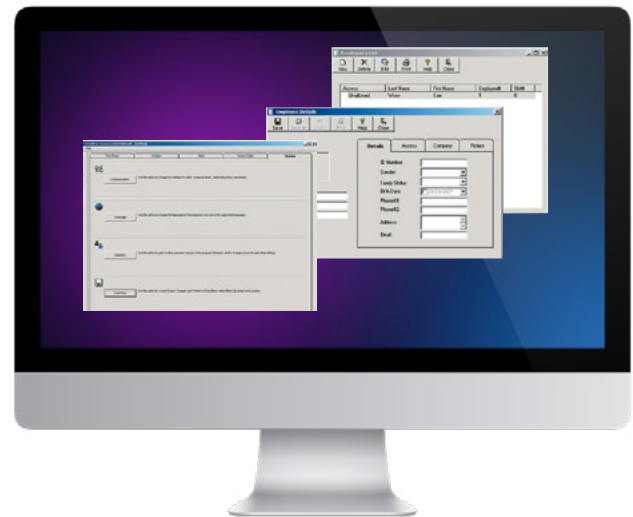
- 2-Door Controller (IN/IN)
- 2 x 5 A relays

Major Features

- 500 users
- 3 modes of operation: Normal, Bypass, Secure
- Supports two Wiegand 26-Bit compatible readers
- 2 tri-colored LED
- Built-in bell, chime, and siren sounder
- Case tamper
- Built-in battery charger
- Input for REX button

Note: The keypad on the controller is for programming purposes only.

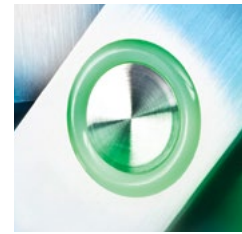
AS-015



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	
REX	N.O. Dry Contact	2 x N.O. Dry Contact
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)	
Operating Humidity Range	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 (7.8 oz)	



STANDALONE CONTROLLERS

ANTI-VANDAL STANDALONE CONTROLLERS

- Programmable blue backlit keypad (selected models)

AC-Q41HB/HP/SB



Anti-Vandal Backlit PIN Standalone Controller

AC-Q42HB/HP/SB



Anti-Vandal Backlit Proximity & PIN Standalone Controller

AC-Q44

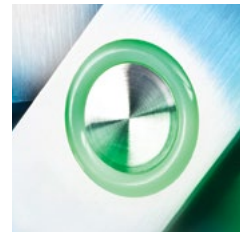


Anti-Vandal Piezoelectric Proximity & PIN Standalone Controller

Specification		AC-Q41HB	AC-Q42HB	AC-Q41SB	AC-Q42SB	AC-Q44
Input Voltage	VDC					
	VAC		16–24 VAC	12–24 VAC	16–24 VAC	
Max. Input Current (12 VDC)*		130 mA	145 mA	130 mA	145 mA	125 mA
Standby Input Current (12 VDC)*		70 mA	85 mA	70 mA	85 mA	65 mA
Tamper Output		Open collector, active Open, max. sink current 30 mA				
Max. Read Range**		N/A	65 mm (2.5 in.)	N/A	65 mm (2.5 in.)	
Max. Relay Current		2 A				
Operating Temperature Range		-20°C to 60°C (-4°F to 140°F)				
Outdoor Usage		Weather-resistant, meets IP54		Weather-resistant, meets IP65		
Dimensions (H x W x D)		120 x 76 x 27 mm (4.7 x 3.0 x 1.1 in.)		120 x 76 x 22 mm (4.7 x 3.0 x 0.9 in.)		
Weight		440 g (15.5 oz)		521 g (18.4 oz)		

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

**Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



ANTI-VANDAL PIEZOELECTRIC STANDALONE CONTROLLERS

- High sensitivity piezoelectric keypad

AC-S43



Anti-Vandal Mullion Piezoelectric PIN Standalone Controller

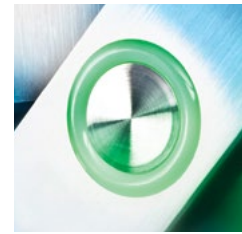
AC-T43



Anti-Vandal Piezoelectric PIN Standalone Controller

Specification	AC-S43	AC-T43
Input Voltage	VDC	12–24 VDC
	VAC	16–24 VAC
Max. Input Current (12 VDC)	80 mA	75 mA
Standby Input Current (12 VDC)	33 mA	15 mA
Tamper Output	Open collector, active Open, max. sink current 20 mA	
Max. Relay Current	5 A	
Max. Read Range*	N/A	
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)	
Operating Humidity Range	0 to 95% (non-condensing)	
Outdoor Usage	Weather-resistant, meets IP65	
Dimensions (H x W x D)	150 x 42 x 28 mm (5.9 x 1.7 x 1.1 in.)	120 x 65 x 27 mm (4.7 x 2.6 x 1.1 in.)
Weight	400 g (14.1 oz)	

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



OUTDOOR BACKLIT PIN / PROXIMITY & PIN CONTROLLERS

AC-F43



Outdoor 3x4 Backlit PIN Standalone Controller

AC-F44



Outdoor 3x4 Backlit Proximity & PIN Standalone Controller

AC-G43



Outdoor Mullion 2x6 Backlit PIN Standalone Controller

AC-G44



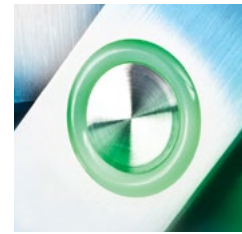
Outdoor Mullion 2x6 Backlit Proximity & PIN Standalone Controller

Major Features

- 500 dual-code users
- 2 x 2 A relays
- 2 inputs with user programmable logic
- 2 tri-colored LED indicators
- 3 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

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
Tamper Output	Open collector, active Open, max. sink current 20 mA			
Max. Read Range*	N/A	75 mm (3.0 in.)	N/A	80 mm (3.2 in.)
Operating Temperature Range	-30°C to 65°C (-22°F to 150°F)			
Operating Humidity Range	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 (4.7 x 2.8 x 1.2 in.)		135.4 x 44.2 x 28.5 mm (5.3 x 1.7 x 1.1 in.)	
Weight	244 g (8.6 oz)		178 g (6.3 oz)	

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



INDOOR PIN / PROXIMITY & PIN CONTROLLERS

AC-B32



Indoor PIN / Proximity & PIN Standalone Controller

AC-C32



Indoor Mullion PIN / Proximity & PIN Standalone Controller

AC-D32



Indoor PIN / Proximity & PIN Standalone Controller

AC-A42



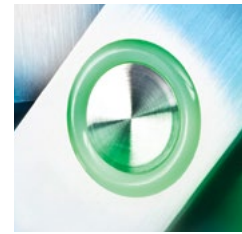
Indoor PIN / Proximity & PIN Standalone Controller

Major Features

- 125 kHz, ASK type RFID Proximity, Wiegand 26-Bit (selected models)
- 3 user levels and three operation modes
- 2 tri-colored LED and buzzer indicators
- Bell, chime, siren, and strobe features available with BL-D40
- Case tamper
- Input for REX button
- 3.5 A lock relay

Specification	AC-A42	AC-B32	AC-C32	AC-D32
Input Voltage	12–16 VDC/VAC			
Max. Input Current (12 VDC)	100 mA	90 mA	90 mA	90 mA
Standby Input Current (12 VDC)	40 mA	40 mA	40 mA	40 mA
Tamper Output	Open collector, active Open, max. sink current 32 mA			
Max. Read Range*	90 mm (3.5 in.)	90 mm (3.5 in.)	70 mm (2.8 in.)	90 mm (3.5 in.)
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)			
Dimensions (H x W x D)	122 x 75 x 24 mm (4.8 x 3.0 x 0.9 in.)	92 x 92 x 24 mm (3.6 x 3.6 x 0.9 in.)	130 x 42 x 18 mm (5.1 x 1.7 x 0.7 in.)	122 x 75 x 4 mm (4.8 x 3.0 x 0.9 in.)
Weight	140 g (4.9 oz)	130 g (4.6 oz)	70 g (2.5 oz)	130 g (4.6 oz)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



READERS

UHF READERS

AY-L23



- The AY-L23 can operate as a standalone controller with the SA-23-B2
- Each button on the SA-23-B2 can be registered to activate different outputs in the AY-L23

Extra Long-Range RF Reader

Specification	AY-L23
Operating Voltage	7–24 VDC
Standby Input Current	26 mA
Max. Input Current	65 mA
Max. Remote Control Read Range	70 m (230 ft)
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)
Operating Humidity Range	0 to 95% (non-condensing)
Outdoor Usage	Weather-resistant, meets IP65
Dimensions (H x W x D)	145 x 43 x 20 mm (5.7 x 1.7 x 0.9 in.)
Weight	500 g (1.1 lb)

SA-23-B2



SA-23-B4



2/4-Channel Transmitter for AY-L23 Receiver

Specification	SA-23-B2, SA-23-B4
Input Voltage	3 V Battery (CR2450)
Standby Input Current: (12 VDC)	< 1 uA
Max. Input Current: (16 VDC)	10 mA
Tamper Output	Open collector, active Open, max. sink current 16 mA
ID Format	Programmed to Wiegand 26-Bit
Frequencies	G: 433.92 MHz (ASK) H: 868.35 MHz (ASK)
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)
Operating Humidity Range	0 to 95% (non condensing)
Dimensions (H x W x D)	58 x 41 x 13.4 mm (2.3 x 1.6 x 0.5 in.)

AY-U910



UHF Integrated Long-Range Reader
Can be used with MD-81 converter for sequential data streams

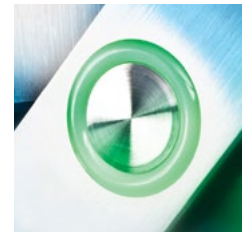
MD-81



RS-232 to Wiegand 26-Bit Output Converter

Specification	AY-U910
Operating Voltage Range	9 to 12 VDC (2 A)
Standby Input Current: (12 VDC)	0.2 A max
Max. Input Current: (16 VDC)	Read: 1.2 A max
Max. Proximity Card Read Range*	Up to 12 m (39.4 ft)
Operating Temp. Range	-20°C to 80°C (-4°F to 176°F)
Operating Humidity Range	0 to 95% (non-condensing)
Dimensions (H x W x D)	44.5 x 44.5 x 6.7 cm (17.5 x 17.5 x 2.6 in.)
Weight	2.3 kg (5.1 lb)

* Read range was tested with a Rosslare UHF card.



■ 13.56 MHz – OPEN TO SECURE® (O2S®) READERS

AY-H6270B/AY-H6280B



OPEN TO SECURE® (O2S®) MIFARE® and MIFARE Plus®/DESFire® EV1 Reader

AY-H6370B/AY-H6380B



OPEN TO SECURE® (O2S®) MIFARE® and MIFARE Plus®/DESFire® EV1 Reader with Keypad

AY-G6270B/AY-G6280B



OPEN TO SECURE® (O2S®) MIFARE® and MIFARE Plus®/DESFire® EV1 Reader

AY-G6370B/AY-G6380B



OPEN TO SECURE® (O2S®) MIFARE® and MIFARE Plus®/DESFire® EV1 Reader with Keypad

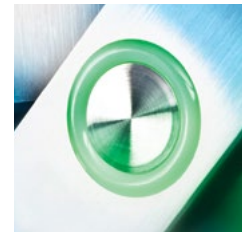
Major Features

- Tri-colored LED operation and buzzer highest security with AES 128-Bit
- Compatible with MIFARE Plus and MIFARE DESFire EV1
- Card+PIN on selected models for extra security on selected models
- CSN reading with MIFARE Classic EV1
- Supports SIA Open Supervised Device Protocol (OSDP)
- Back and cover optical tamper detection and output
- IP65 environmental protection



Specification	AY-H6270B/6370B		AY-H6280B/6380B		AY-G6270B/6370B	AY-G6280B/6380B
Operating Voltage Range	8.5–16 VDC					
Standby Input Current	35 mA					
Maximum Input Current	55 mA					
Tamper Output	Open collector, active Low, max. sink current 30 mA					
Max. Read Range*	45 mm (1.8 in.)			40 mm (1.6 in.)		
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)					
Operating Humidity Range	0 to 95% (non-condensing)					
Outdoor Usage	Weather-resistant, meets IP65					
Dimensions (H x W x D)	120 x 80 x 23 mm (4.7 x 3.1 x 0.9 in.)		120 x 80 x 31 mm (4.7 x 3.1 x 1.2 in.)		145.3 x 42 x 23 mm (5.7 x 1.7 x 0.9)	
Weight	201.0 g (7.1 oz)	209.0 g (7.4 oz)	209.0 g (7.4 oz)	217.0 g (7.7 oz)	155 g (5.5 oz)	

* Tested with MIFARE Classic EV1 / PLUS / DESfire EV1 based card.



■ 13.56 MHz – CSN SELECT™ READERS

AY-K6255



Micro-Mullion CSN SELECT™ Reader

AY-M6255



UK Gang Box CSN SELECT™ Reader

AY-H6255



US Gang Box CSN SELECT™ Reader

AY-L6255



Mullion CSN SELECT™ Reader

AYC-M6355



UK Gang Box CSN SELECT™ convertible Reader with Keypad

AYC-H6355



US Gang Box CSN SELECT™ convertible Reader with Keypad

AYC-Q6355



Anti-Vandal US Single Gang CSN SELECT™ Convertible Reader with Keypad

AY-Q6255



Anti-Vandal US Single Gang CSN SELECT™ Reader

AY-R6255



Illuminated CSN SELECT™ Smart Card Reader

Major Features

- Multi-credential technology contactless smart card (13.56 MHz) readers, support most popular smart cards in the security industry
- Open Supervised Device Protocol (OSDP) in AY-M/H6255 and AYC-M/H6355 models
- Tri-colored LED notification for operation status
- Three control lines: red LED, green LED, and buzzer
- Sleek and modern design
- Support access by an NFC compatible Android Mobile app
- Configurable using CS-CCT Card Configuration Tool

ACCESS CONTROL



Specification	AY-K6255	AY-Q6255	AY-R6255	AY-M6255	AY-H6255
Operating Voltage	8 to 16 VDC				
Standby Input Current (12V)	55 mA	100 mA	160 mA	75 mA	75 mA
Max Input Current (12V)	80 mA	150 mA	180 mA	110 mA	110 mA
Tamper Output	Open collector, active low, max. sink current 16 mA				
Max. Proximity Card Read Range	5 cm (2.0 in.)			9 cm (3.5 in.)	
Operating Temp. Range	-35°C to 66°C (-31°F to 150°F)				
Operating Humidity Range	0 to 95% (non-condensing)				
Outdoor usage	Weather-resistant, UV-resistant, meets IP65				
Dimensions (H x W x D)	80.5 x 40.5 x 14.7 mm (3.2 x 1.6 x 0.6 in.)	120.0 x 76.0 x 21.5 mm (4.7 x 3.0 x 0.9 in.)	120.0 x 89.0 x 20 mm (4.7 x 3.5 x 0.8 in.)	89.5 x 88.5 x 16.9 mm (3.5 x 3.5 x 0.7 in.)	110.7 x 75.0 x 17.0 mm (4.4 x 3.0 x 0.7 in.)
Weight	73 g (2.6 oz)	410g (14.5 oz)	208 g (7.3 oz)	167 g (5.9 oz)	177 g (6.2 oz)

Specification	AY-L6255	AYC-H6355	AYC-M6355	AYC-Q6355
Operating Voltage	8 to 16 VDC			
Standby Input Current (12V)	55 mA	100 mA	160 mA	75 mA
Max Input Current (12V)	80 mA	150 mA	180 mA	110 mA
Tamper Output	Open collector, active low, max. sink current 16 mA			
Max. Proximity Card Read Range	5 cm (2.0 in.)			
Operating Temp. Range	-35°C to 66°C (-31°F to 150°F)			
Operating Humidity Range	0 to 95% (non-condensing)			
Outdoor usage	Weather-resistant, UV-resistant, meets IP65			
Dimensions (H x W x D)	80.5 x 40.5 x 14.7 mm (3.2 x 1.6 x 0.6 in.)	120.0 x 76.0 x 21.5 mm (4.7 x 3.0 x 0.9 in.)	120.0 x 89.0 x 20 mm (4.7 x 3.5 x 0.8 in.)	89.5 x 88.5 x 16.9 mm (3.5 x 3.5 x 0.7 in.)
Weight	73 g (2.6 oz)	410g (14.5 oz)	208 g (7.3 oz)	167 g (5.9 oz)

* Tested with MIFARE Classic EV1 / PLUS / DESfire EV1 based card.

13.56 MHz – CSN SMART™ READERS

AY-H6255BT



CSN SMART™ Smart Card Reader with NFC and BLE ID capabilities

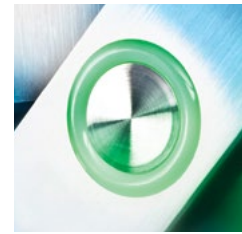
AY-H6355BT



CSN SMART™ Smart Card Reader with Keypad with NFC and BLE ID capabilities

Specification	AY-H6255BT	AY-H6355BT
Operating Voltage	8 to 16 VDC	
Standby Input Current (12V)	110 mA	120 mA
Max Input Current (12V)	185 mA	220 mA
Tamper Output	Open collector, active low, max. sink current 16 mA	
Max. Proximity Card Read Range	10 cm (3.9 in.)	7 cm (2.8 in.)
Max. Bluetooth BLE Read Range	10 m (32 ft)	
Operating Temp. Range	-35°C to 66°C (-31°F to 150°F)	
Operating Humidity Range	0 to 95% (non-condensing)	
Outdoor usage	Weather-resistant, UV-resistant, meets IP65	
Dimensions (H x W x D)	110.7 x 75.0 x 17.0 mm (4.4 x 3.0 x 0.7 in.)	110.7 x 75.0 x 18.2 mm (4.4 x 3.0 x 0.7 in.)
Weight	177 g (6.2 oz)	190 g (6.7 oz)

* Tested with MIFARE Classic EV1 / PLUS / DESfire EV1 based card.



13.56 MHz MIFARE® CLASSIC EV1 – CSN & READ SECTOR

MIFARE® SMART CARD CONTACTLESS READER SERIES

AY-H25B



US Gang Box Sized MIFARE® Contactless Smart Card Reader (CSN only)

AY-L25B



Mullion MIFARE® Contactless Smart Card Reader (CSN only)

AY-K25B



Micro-Mullion MIFARE® Contactless Smart Card Reader (CSN only)

AY-M25B



UK Gang Box Sized MIFARE® Contactless Smart Card Reader

AY-M26



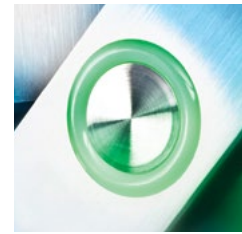
UK Gang Box Sized MIFARE® Contactless Smart Card Sector Reader

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 (AY-M26, using AS-B01 and CP-R26)
- Bi-colored LED and buzzer indicators
- Programmable input: LED control/buzzer control
- Epoxy-potted – meets IP65, waterproof
- Optical back tamper

Specification	AY-K25B	AY-H25B	AY-L25B	AY-M25B	AY-M26
Operating Voltage Range	5–16 VDC				6.5–16 VDC
Standby Input Current	35 mA				110 mA
Maximum Input Current	55 mA				165 mA
Tamper Output	Open collector, active low, max. sink current 16 mA			Open collector, active low, max. sink current 30 mA	
Max. Read Range*	60 mm (2.4 in.)	70 mm (2.8 in.)	45 mm (1.8 in.)		70 mm (2.8 in.)
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)				
Operating Humidity Range	0 to 95% (non-condensing)				
Outdoor Usage	Weather-resistant, meets IP65				
Dimensions (H x W x D)	79.9 x 39.9 x 12.8 mm (3.1 x 1.6 x 0.5 in.)	109.9 x 74.9 x 15 mm (4.3 x 3.0 x 0.6 in.)	144.9 x 42.9 x 20 mm (5.7 x 1.7 x 0.8 in.)	89 x 89 x 15 mm (3.5 x 3.5 x 0.6 in.)	
Weight	75.5 g (2.7 oz)	119.9 g (4.2 oz)	115.2 g (4.1 oz)	120.3 g (4.2 oz.)	116 g (4.1 oz)

* Tested with MIFARE Classic EV1 1K NXP based card.



MIFARE® SMART CARD CONTACTLESS US GANG BOX READER SERIES

AY-W6260

AY-W6360

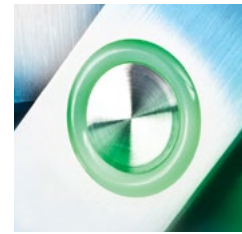


MIFARE® Contactless Smart Card Sector/CSN Reader

MIFARE® Contactless Smart Card Sector/CSN Reader with Keypad

Specification	AY-W6260	AY-W6360
Operating Voltage Range	5–16 VDC	
Standby Input Current	110 mA	160 mA
Maximum Input Current	165 mA	235 mA
Tamper Output	Open collector, active low, max. sink current 30 mA	
Max. Read Range*	45 mm (1.8 in.)	
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)	
Operating Humidity Range	0 to 95% (non-condensing)	
Outdoor Usage	Weather-resistant, meets IP65	
Dimensions (H x W x D)	125 x 83 x 29.5 mm (4.9 x 3.3 x 1.2 in.)	
Weight	230 g (8.1 oz)	

* Tested with MIFARE Classic EV1 1K NXP based card.



ANTI-VANDAL MIFARE® SMART CARD CONTACTLESS US GANG BOX READER SERIES

AY-Q6260



Anti-Vandal MIFARE® Contactless Smart Card Sector/CSN Reader

AY-Q6360

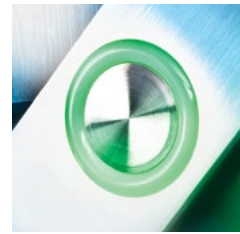


Anti-Vandal MIFARE® Contactless Smart Card Sector/CSN Reader with Keypad

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

Specification	AY-Q6260	AY-Q6360
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 (1.8 in.)	
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)	
Operating Humidity Range	0 to 95% (non-condensing)	
Dimensions (H x W x D)	120 x 76 x 22 mm (4.7 x 3.0 x 1.0 in.)	
Weight	500 g (17.6 oz)	440 g (15.5 oz)

* Tested with MIFARE Classic EV1 1K NXP based card.



125 kHz – ROSSLARE PROXIMITY & goPROX®

PROXIMITY READER SERIES

AY-H12C



US Gang Box Sized Proximity Reader

AY-L12C



Mullion Proximity Reader

AY-K12C



Micro-Mullion Proximity Reader

AY-M12C



UK Gang Box Sized Proximity Reader

AY-Q12C



Anti-Vandal US Single Gang Proximity Reader

AY-x12C

- Reads Rosslare proprietary format
- Selectable transmission formats: Wiegand 26-Bit, Clock & Data, RS-232
- Tri-colored LED
- 2 x LED color control inputs
- Hold control input

AY-E20

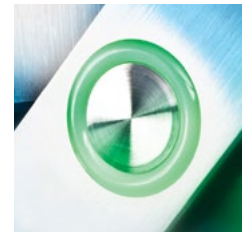


Outdoor Ultra-Slim Flush-Mount Reader

Specification		AY-x12C	AY-E20
Operating Voltage Range		5–16 VDC	5–16 VDC (in Reader mode, from controller)
Input Current	K	Standby: 35 mA, Maximum: 50 mA	Standby: 40 mA Maximum: 100 mA
	H, L, M, Q	Standby: 35 mA, Maximum: 100 mA	
Tamper Output		Open collector, active low, max. sink current 16 mA	Open collector, active low, max. sink current 16 mA
Operating Temperature Range		-31°C to 63°C (-25°F to 145°F)	
Operating Humidity Range		0 to 95% (non-condensing)	
Outdoor Usage		Waterproof, meets IP68	

Specification	Dimensions (H x W x D)	Weight	Read Range*
AY-H12C	109.9 x 74.9 x 15 mm (4.3 x 3.0 x 0.6 in.)	100 g (3.5 oz)	10 cm (3.9 in.)
AY-K12C	79.9 x 39.9 x 12.8 mm (3.1 x 1.6 x 0.5 in.)	70.5 g (2.5 oz)	8 cm (3.1 in.)
AY-L12C	144.9 x 42.9 x 20 mm (5.7 x 1.7 x 0.8 in.)	116 g (4.1 oz)	10 cm (3.9 in.)
AY-M12C	88.9 x 88.9 x 15 mm (3.5 x 3.5 x 0.6 in.)	109 g (3.8 oz)	10 cm (3.9 in.)
AY-E20	155 x 45 x 8 mm (6.1 x 1.8 x 0.3 in.)	135 g (4.8 oz)	3.5 cm (1.4 in.)
AY-Q12C	120 x 76 x 27 mm (4.7 x 3.0 x 1.1 in.)	521 g (18 oz)	5.5 cm (2.2 in.)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



CONVERTIBLE PROXIMITY & goPROX® WITH PIN READER SERIES



AYC-F64



3x4 Backlit Proximity & PIN Convertible Reader/Controller

AYC-G64



2x6 Backlit Proximity & PIN Convertible Reader/Controller

AYC-M60



UK Gang Backlit goPROX® & PIN Convertible Reader/Controller

AYC-F60



US Single Gang Backlit goPROX® & PIN Convertible Reader/Controller

AYC-G60



Mullion Backlit goPROX® & PIN Convertible Reader/Controller

Specification	AYC-F64	AYC-G64	AYC-M60	AYC-F60	AYC-G60
Operating Voltage Range	5-16 VDC (in Reader mode, from controller)				
Standby Input Current: (12 VDC)	105 mA			100 mA	
Max. Input Current: (16 VDC)	140 mA				
Tamper Output	Open collector, active low, max. sink current 32 mA				
Max. Proximity Card Read Range*	80 mm (3.1 in.)			60 mm (2.4 in.)	
Operating Temp. Range	-30°C to 65°C (-22°F to 150°F)				
Operating Humidity Range	0 to 95% (non-condensing)				
Outdoor Usage	Waterproof, meets IP65				
Read Format	ASK		ASKFSK		
Dimensions (H x W x D)	120 x 76 x 21 mm (4.7 x 3.0 x 0.8 in.)	137 x 44 x 21 mm (5.4 x 1.7 x 0.8 in.)	93 x 93 x 18 mm (3.6 x 3.6 x 0.7 in.)	120 x 76 x 21 mm (4.7 x 3.0 x 0.8 in.)	137 x 44 x 21 mm (5.4 x 1.7 x 0.8 in.)
Weight	215 g (7.6 oz)	160 g (5.6 oz)	185 g (6.5 oz)	230 g (8.1 oz)	175 g (6.2 oz)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



ULTRA-SLIM BACKLIT PIEZOELECTRIC PIN / PROXIMITY & PIN & goPROX®



AYC-E65B/E65BG/E65BB



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

AYC-E60N/B



Convertible Ultra-Slim Piezoelectric Mullion Backlit goPROX® & PIN Reader

AYC-T65N

AYC-T65B



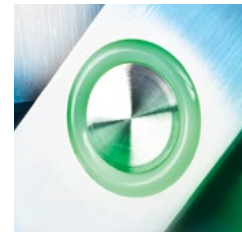
Convertible Ultra-Slim Piezoelectric US Gang Backlit Proximity & PIN Reader

General features

- Ultra-slim flush-mount design
- Built-in piezoelectric keypad for PIN code entry
- Programmable patented blue backlit keypad (AYC-E65B)

Specification	AYC-E65B	AYC-E60	AYC-T65
Operating Voltage Range	5–16 VDC (in Reader mode, from controller)		
Standby Input Current: (12 VDC)	92 mA	110 mA	92 mA
Max. Input Current: (16 VDC)	105 mA	130 mA	105 mA
Tamper Output	Open collector, active low, max. sink current 30 mA	Open collector, active low, max. sink current 32 mA	Open collector, active low, max. sink current 30 mA
Max. Proximity Card Read Range*	40 mm (1.6 in.)		
Operating Temp. Range	-30°C to 65°C (-22°F to 150°F)		
Operating Humidity Range	0 to 95% (non-condensing)		
Outdoor Usage	Waterproof, meets IP68	Waterproof, meets IP65	Waterproof, meets IP68
Read Format	ASK	ASKFSK	ASK
Dimensions (H x W x D)	155 x 44 x 9 mm (6.1 x 1.7 x 0.4 in.)		121 x 70 x 8 mm (4.8 x 2.8 x 0.3 in.)
Weight	143 g (5.0 oz)	143 g (5.0 oz)	121 g (4.3 oz)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



ANTI-VANDAL US SINGLE GANG PROXIMITY READER SERIES

AYC-Q65



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

Major Features

- Programmable patented blue backlit keypad

AYC-Q64B



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

AYC-Q60

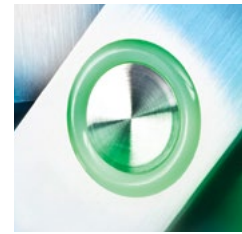


Convertible Anti-Vandal US Single Gang Backlit goPROX® & PIN Reader



Specification	AYC-Q65	AYC-Q64B	AYC-Q60
Input Voltage	5-16 VDC		
Maximum Input Current	130 mA		
Standby Input Current	90 mA		110 mA
Tamper Output	Open collector, active low, max. sink current 32 mA		
Max. Read Range*	45 mm (1.8 in.)		
Operating Temperature Range	-35°C to 66°C (-31°F to 151°F)	-30°C to 65°C (-22°F to 150°F)	
Operating Humidity Range	0 to 95% (non-condensing)		
Outdoor Usage	Weather-resistant, meets IP65		
Read Format	ASK		ASKFSK
Dimensions (H x W x D)	120 x 76 x 21 mm (4.7 x 3.0 x 0.8 in.)		
Weight	480 g (1.1 lb)		

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



MULTI-COLOR ILLUMINATION READERS

AY-R12



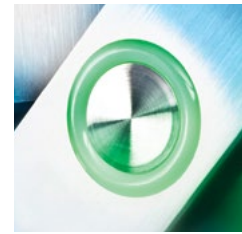
Outdoor RGB Illuminated Reader

Major Features AY-R12

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

Specification	AY-R12
Input Voltage	12–16 VDC
Maximum Input Current	150 mA
Standby Input Current	100 mA
Tamper Output	Open collector, active low, max. sink current 16 mA
Max. Read Range*	80 mm (3.1 in.)
Operating Temperature Range	-31°C to 63°C (-23.8°F to 145.4°F)
Operating Humidity Range	0 to 95% (non-condensing)
Dimensions (H x W x D)	120 x 89 x 21 mm (4.7 x 3.5 x 0.8 in.)
Weight	202 g (7.1 oz)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



INDOOR PROXIMITY READERS

AY-CR11W



Indoor Mullion Proximity Reader with Bell Button

AY-CR12W



Indoor Mullion Proximity Reader

AY-DR11W



Indoor Proximity Reader with Bell Button

AY-DR12W



Indoor Proximity Reader

AY-C19M



Indoor Mullion Proximity & PIN Reader

AY-D19M



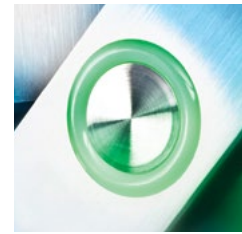
Indoor Proximity & PIN Reader with Bell Button

Major Features

- 125 kHz, ASK type EM RFID Proximity
- Wiegand 26-Bit output
- 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)

Specification	AY-CR11W	AY-CR12W	AY-DR12W	AY-DR11W	AY-C19M	AY-D19M
Input Voltage	12–16 VDC				5–16 VDC	
Max. Input Current @12 VDC	60 mA				100 mA	
Standby Input Current @12 VDC	25 mA				55 mA	
Tamper Output	Open collector, active low, max. sink current 32 mA					
Max. Read Range*	60 mm (2.4 in.)	80 mm (3.1 in.)	100 mm (3.9 in.)	N/A	80 mm (3.1 in.)	
Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)					
Operating Humidity Range	0 to 95% (non-condensing)					
Dimensions (H x W x D)	130 x 41.7 x 19 mm (5.1 x 1.6 x 0.7 in.)		122 x 74 x 18.5 mm (4.8 x 2.9 x 0.7 in.)			122 x 75 x 24 mm (4.8 x 3.0 x 0.9 in.)
Weight	75 g (2.6 oz)	70 g (2.5 oz)	100 g (3.5 oz)		115 g (4.1 oz)	114 g (4.0 oz)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



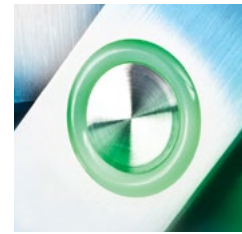
AY-F66



Outdoor Proximity & PIN Reader with Time/Date LED Display

- For use with AxTraxNG™ platform controllers
- 125 kHz, ASK type EM RFID Proximity
- Wiegand 26-Bit, Clock & Data
- Buzzer indicator
- Multi-format keypad transmission
- Time, date, and programming 7-segment display
- Time and date update using RS-485 and AxTraxNG 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
Tamper Output	Open collector, active low, max. sink current 32 mA
Max. Proximity Read Range	100 mm (4 in.)
Operating Temp. Range	-20°C to 60°C (-4°F to 140°F)
Operating Humidity Range	0 to 95% (non-condensing)
Outdoor Usage	Weather-resistant, meets IP54
Dimensions (H x W x D)	120 x 71 x 30 mm (4.7 x 2.8 x 1.2 in.)
Weight	230 g (8.1 oz)



LONG-RANGE AND MEDIUM-RANGE PROXIMITY READERS

AY-V12B



Medium-Range Proximity Reader

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

AY-V64B



Medium-Range Backlit Proximity & PIN Reader

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

AY-Z12A

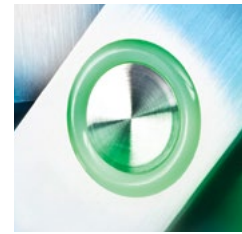


Long-Range Proximity Reader

- Wiegand 26-Bit
- Bi-colored LED and buzzer indicators
- 125 kHz, ASK type EM RFID proximity passive cards
- Optical case and back tamper

Specification	AY-V12B	AY-V64B	AY-Z12A
Operating Voltage	5–16 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 (8.7 in.)	220 mm (8.7 in.)	600 mm (23.6 in.)
Operating Temperature Range	-30°C to 63°C (-22°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 Range	0 to 95% (non-condensing)		
Outdoor Usage	Meets IP54		
Dimensions (H x W x D)	125 x 125 x 21 mm (4.9 x 4.9 x 0.8 in.)		300 x 300 x 25 mm (11.8 x 11.8 x 1.0 in.)
Weight	285 g (10.0 oz)		1066 g (2.4 lb)

*Measured using a Rosslare clamshell proximity card or equivalent. Range also depends on installation environment, reader voltage, and proximity to metal.



PIN ONLY READERS/CONTROLLERS

AYC-F54



Convertible 3x4 Backlit PIN Reader/Controller

AYC-G54



Convertible 2x6 Backlit PIN Reader/Controller

AYC-E55



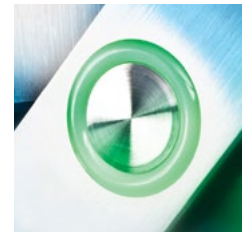
Convertible 2x6 Ultra-Slim PIN Reader/Controller

AYC-Q54B



Convertible Anti-Vandal Backlit 3x4 PIN Reader/Controller

Specification	AYC-F54	AYC-G54	AYC-E55	AYC-Q54B
Operating Voltage Range	5–16 VDC (in Reader mode, from controller)			
Standby Input Current: (12 VDC)	75 mA		15 mA	65 mA
Max. Input Current: (16 VDC)	110 mA		40 mA	110 mA
Tamper Output	Open collector, active low, max. sink current 32 mA		Open collector, active low, max. sink current 30mA	
Operating Temperature Range	-35°C to 66°C (-31°F to 151°F)		-30°C to 65°C (-22°F to 150°F)	-35°C to 66°C (-31°F to 151°F)
Operating Humidity Range	0 to 95% (non-condensing)			
Outdoor Usage	Waterproof, meets IP65		Waterproof, meets IP68	Waterproof, meets IP65
Dimensions (H x W x D)	120 x 76 x 21 mm (4.7 x 3.0 x 0.8 in.)	137 x 44 x 21 mm (5.4 x 1.7 x 0.8 in.)	155 x 44 x 6.5 mm (6.1 x 1.7 x 0.3 in.)	120 x 76 x 21 mm (4.7 x 3.0 x 0.8 in.)
Weight	215 g (7.6 oz)	160 g (5.6 oz)	120 g (4.2 oz)	480 g (16.9 oz)



AY-C09M



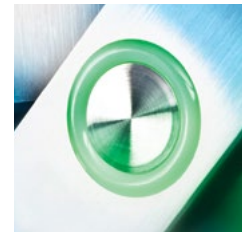
Indoor Mullion PIN Reader

AY-D09M



Indoor Multi-Format PIN Reader

Specification	AY-C09M	AY-D09M
Operating Voltage Range	12–16 VDC	5–16 VDC
Standby Input Current: (12 VDC)	60 mA	55 mA
Max. Input Current: (16 VDC)	25 mA	100 mA
Tamper Output	Open collector, active low, max. sink current 32 mA	
Operating Temperature Range	0°C to 63°C (32°F to 145°F)	-32°C to 63°C (-25°F to 145°F)
Operating Humidity Range	0 to 95% (non-condensing)	
Dimensions (H x W x D)	130 x 41.7 x 19 mm (5.1 x 1.6 x 0.7 in.)	122 x 75 x 24 mm (4.8 x 3.0 x 0.9 in.)
Weight	70 g (2.5 oz)	110 g (3.9 oz)



BIOMETRIC READERS

AY-B1660



AY-B2660/AYC-B7661



AYC-W6500



AY-Bx660 – Main Features

- Match-on-Card Technology
- Decrease identity theft and fraud
- Increase security
- Create traceability and auditability
- Increase cost-efficiency
- Unlimited users, high security level
- Biometric data on MIFARE cards (1K & 4K)
- Wiegand 26-Bit, Wiegand 32-Bit, Wiegand 34-Bit, Wiegand 40-Bit, and Clock & Data output formats

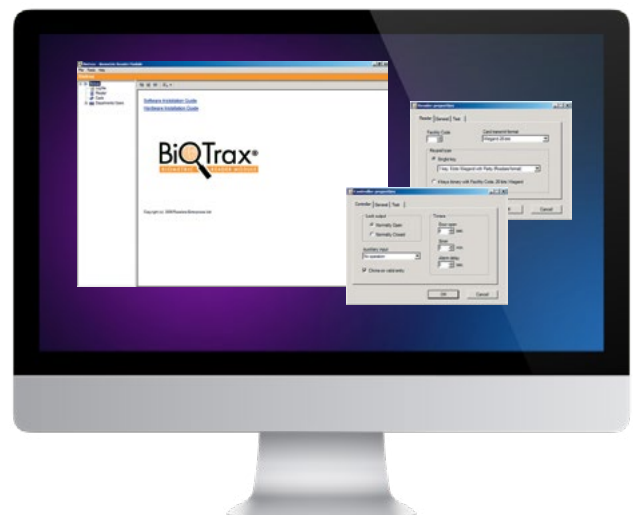
AYC-B7661 – Main Features

- 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
- Supports both 1:1 and 1:N modes with up to 107 finger print templates

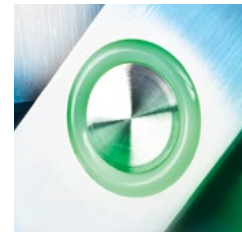
AYC-W6500 – Main Features

- 500 users, 2 templates per user fingerprint, PIN and card
- Built-in fingerprint capacitive multi-angle sensor
- BioTrax™ PC software for complete fingerprint management and fast configuration over the network
- Minimum software requirements:
 - Windows XP with SP2/2003 server, Windows 7 (32/64 bit), and Windows 8
 - Microsoft.NET 2.0 (or higher) Framework

AS-W6500



BioTrax™ Biometric Fingerprint Enrollment Software



Specifications	AYC-W6500	AY-B1660	AY-B2660
Operating Voltage Range	10–16 VDC (Reader mode, from controller)	5–16 VDC	
Standby Input Current	140 mA	60 mA	
Maximum Input Current	330 mA	135 mA	
Tamper Output	Open Collector Output	Open collector, active low, max. sink current 32 mA	
Inputs	Dry contact, Normally Open 0 to 5 V	Programmable LED/buzzer control input, N.O., Dry Contact	
Indicators	N/A	Two tri-colors LED	
Output Format	Wiegand 26-Bit or Clock & Data	Wiegand 26-Bit, Wiegand 32-Bit, Wiegand 34-Bit, Wiegand 40-Bit and Clock & Data	
Compatible Cards	ISO 125 kHz	MIFARE ISO14443A-3 standard	
Max. Proximity Read Range	7.5 cm (3.0 in.)	40 mm (1.6 in.)	
Operating Temp. Range	-5°C to 60°C (23°F to 140°F)	-25°C a 60°C (-13°F a 140°F)	
Operating Humidity Range	10% to 90% RH (non-condensing)	30% to 85% (non-condensing)	
Dimensions: (H x W x D)	131 x 125 x 35 mm (5.2 x 4.9 x 1.4 in.)	100 x 54 x 42 mm (3.9 x 2.1 x 1.7 in.)	102 x 54 x 32 mm (4.0 x 2.1 x 1.3 in.)
Weight	270 g (9.5 oz)	79 g (2.8 oz)	156 g (5.5 oz)

DESKTOP READERS

DR-12C / DR-6255 / DR-6280



DR-12C EM Card Desktop Reader

DR-6255 CSN SELECT™ Desktop Enrollment Reader

DR-6280 MIFARE Classic® EV1 and MIFARE® DESFire® EV1 (O2S®) Desktop Reader.

- USB connectivity to PC
- Bi-Colored LED for status notification
- Stylish appearance

READER MODULES

MD-12C

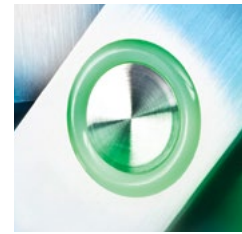


MD-12W



OEM Proximity Reader Module

- 125 kHz ASK, EM RFID Proximity Reader Module
- Read range of 5 cm (2 in.)
- Input voltage: 5 VDC
- Dimensions: Diameter – 23 mm (0.9 in.), Height – 9 mm (0.4 in.)
- Available in Wiegand 26-Bit (MD-12W) and Rosslare format Clock & Data (MD-12C)
- Operating temperature range: -31°C to 63°C (-25°F to 145°F)








CREDENTIALS

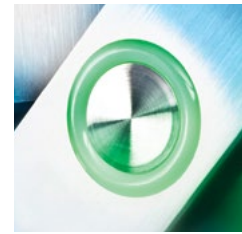
UHF ALIEN HIGGS-3 SERIES

UHF ALIEN HIGGS-3 SERIES CREDENTIALS

For use with AY-U910 Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	LT-UVS-26A-3000	Programmed	ISO18000-6C	64 Bytes	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	LT-UVH-26A-7000	Programmed	ISO18000-6C	64 Bytes	Hard Tag	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	LT-UVT-26A-3001	Programmed	ISO18000-6C	64 Bytes	Tamper Paper Label	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	AT-UVT-000-0001	Not Programmed	ISO18000-6C	64 Bytes	Tamper Paper Label	Not Formatted	No ID Printed
	AT-Z4S-000-0001	Not Programmed	ISO18000-6C + MIFARE Classic EV1	4K	ISO Card (PVC)	Not Formatted	No ID Printed



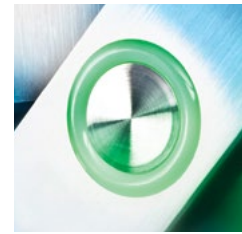
13.56 MHz MIFARE® CLASSIC EV1, PLUS S, PLUS X, DESFIRE® EV1

MIFARE® Classic EV1 1K SERIES For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-D1S-000-0001	Not Programmed	MIFARE Classic EV1 – 4UID	1K	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-C1S-000-0000	Not Programmed	MIFARE Classic EV1 – 7UID	1K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-C1S-26A-3000	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-C1S-38A-3000	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-D1K-000-05B0	Not Programmed	MIFARE Classic EV1 – 4UID	1K	Key Fob	Not Formatted	No ID Printed
	AT-C1K-000-05B0	Not Programmed	MIFARE Classic EV1 – 7UID	1K	Key Fob	Not Formatted	No ID Printed
	RT-C1K-26A-75B0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-75B0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-C1K-000-0RB0	Not Programmed	MIFARE Classic EV1 – 7UID	1K	Key Fob	Not Formatted	No ID Printed
	RT-C1K-26A-7RB0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-7RB0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-C1K-000-0TB0	Not Programmed	MIFARE Classic EV1 – 7UID	1K	Key Fob	Not Formatted	No ID Printed
	RT-C1K-26A-7TB0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C1K-38A-7TB0	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	1K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

ACCESS CONTROL

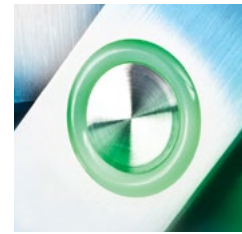


MIFARE® CLASSIC EV1 4K SERIES For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-D4S-000-0001 (was AT-T513)	Not Programmed	MIFARE Classic EV1 – 4UID	4K	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-C4S-000-0000	Not Programmed	MIFARE Classic EV1 – 7UID	4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-C4S-26A-3000	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-C4S-38A-3000	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-D4K-000-0S80	Not Programmed	MIFARE Classic EV1 – 4UID	4K	Key Fob	Not Formatted	No ID Printed
	AT-C4K-000-0S80	Not Programmed	MIFARE Classic EV1 – 7UID	4K	Key Fob	Not Formatted	No ID Printed
	RT-C4K-26A-7S80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C4K-38A-7S80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-C4K-000-0R80	Not Programmed	MIFARE Classic EV1 – 7UID	4K	Key Fob	Not Formatted	No ID Printed
	RT-C4K-26A-7R80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C4K-38A-7R80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-C4K-000-0T80	Not Programmed	MIFARE Classic EV1 – 7UID	4K	Key Fob	Not Formatted	No ID Printed
	RT-C4K-26A-7T80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-C4K-38A-7T80	O2S – Rosslare Keys	MIFARE Classic EV1 – 7UID	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)




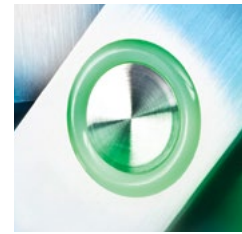


MIFARE® PLUS S 2K SERIES

For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-P2S-000-0000	Not Programmed	MIFARE Plus S	2K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-P2S-26A-3000	O2S – Rosslare Keys	MIFARE Plus S	2K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-P2S-38A-3000	O2S – Rosslare Keys	MIFARE Plus S	2K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-P2K-000-0SB0	Not Programmed	MIFARE Plus S	2K	Key Fob	Not Formatted	No ID Printed
	RT-P2K-26A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P2K-000-0RB0	Not Programmed	MIFARE Plus S	2K	Key Fob	Not Formatted	No ID Printed
	RT-P2K-26A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P2K-000-0TB0	Not Programmed	MIFARE Plus S	2K	Key Fob	Not Formatted	No ID Printed
	RT-P2K-26A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P2K-38A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

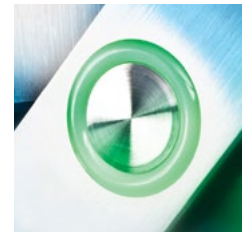


MIFARE® PLUS S 4K SERIES

For use with O2S® Reader series














	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-P4S-000-0000	Not Programmed	MIFARE Plus S	4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-P4S-26A-3000	O2S – Rosslare Keys	MIFARE Plus S	4K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-P4S-38A-3000	O2S – Rosslare Keys	MIFARE Plus S	4K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-P4K-000-0SB0	Not Programmed	MIFARE Plus S	4K	Key Fob	Not Formatted	No ID Printed
	RT-P4K-26A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P4K-38A-7SB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P4K-000-0RB0	Not Programmed	MIFARE Plus S	4K	Key Fob	Not Formatted	No ID Printed
	RT-P4K-26A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P4K-38A-7RB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-P4K-000-0TB0	Not Programmed	MIFARE Plus S	4K	Key Fob	Not Formatted	No ID Printed
	RT-P4K-26A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-P4K-38A-7TB0	O2S – Rosslare Keys	MIFARE Plus S	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)



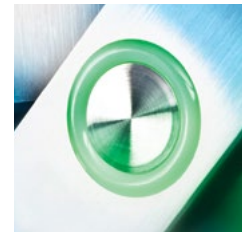
MIFARE® PLUS X 2K SERIES

For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-X2S-000-0000	Not Programmed	MIFARE Plus X	2K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-X2S-26A-3000	O2S – Rosslare Keys	MIFARE Plus X	2K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-X2S-38A-3000	O2S – Rosslare Keys	MIFARE Plus X	2K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-X2K-000-05B0	Not Programmed	MIFARE Plus X	2K	Key Fob	Not Formatted	No ID Printed
	RT-X2K-26A-75B0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-75B0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X2K-000-0RB0	Not Programmed	MIFARE Plus X	2K	Key Fob	Not Formatted	No ID Printed
	RT-X2K-26A-7RB0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-7RB0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X2K-000-0TB0	Not Programmed	MIFARE Plus X	2K	Key Fob	Not Formatted	No ID Printed
	RT-X2K-26A-7TB0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X2K-38A-7TB0	O2S – Rosslare Keys	MIFARE Plus X	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

ACCESS CONTROL



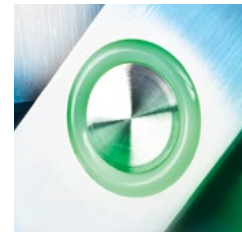
MIFARE® PLUS X 4K SERIES

For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-X4S-000-0000	Not Programmed	MIFARE Plus X	4K	ISO Card (PVC)	Not Formatted	No ID Printed
	RT-X4S-26A-3000	O2S – Rosslare Keys	MIFARE Plus X	4K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-X4S-38A-3000	O2S – Rosslare Keys	MIFARE Plus X	4K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-X4K-000-0S80	Not Programmed	MIFARE Plus X	4K	Key Fob	Not Formatted	No ID Printed
	RT-X4K-26A-7S80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X4K-38A-7S80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X4K-000-0R80	Not Programmed	MIFARE Plus X	4K	Key Fob	Not Formatted	No ID Printed
	RT-X4K-26A-7R80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X4K-38A-7R80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-X4K-000-0T80	Not Programmed	MIFARE Plus X	4K	Key Fob	Not Formatted	No ID Printed
	RT-X4K-26A-7T80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-X4K-38A-7T80	O2S – Rosslare Keys	MIFARE Plus X	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

ACCESS CONTROL



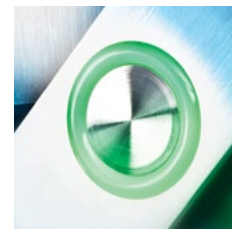
MIFARE® DESFIRE EV1 2K SERIES

For use with O2S® Reader series





	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-V2S-26A-0000	Not Programmed	MIFARE DESFire EV1	2K	ISO Card (PVC)	Wiegand 26-Bit	No ID Printed
	RT-V2S-26A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-V2S-38A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-V2K-000-0SBO	Not Programmed	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V2K-26A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V2K-000-0RB0	Not Programmed	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V2K-26A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V2K-000-0TB0	Not Programmed	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V2K-26A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V2K-38A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	2K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

ACCESS CONTROL

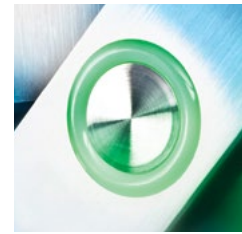


MIFARE® DESFIRE® EV1 4K SERIES For use with O2S® Reader series



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-V4S-26A-0000	Not Programmed	MIFARE DESFire EV1	4K	ISO Card (PVC)	Wiegand 26-Bit	No ID Printed
	RT-V4S-26A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-V4S-38A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-V4K-000-05B0	Not Programmed	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V4K-26A-75B0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V4K-38A-75B0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V4K-000-0RB0	Not Programmed	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V4K-26A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V4K-38A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V4K-000-0TB0	Not Programmed	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V4K-26A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V4K-38A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	4K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)

ACCESS CONTROL

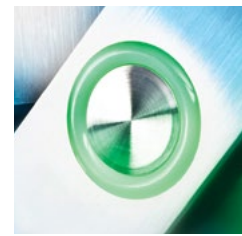


MIFARE® DESFIRE EV1 8K SERIES

For use with O2S® Reader series







	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-V8S-26A-0000	Not Programmed	MIFARE DESFire EV1	8K	ISO Card (PVC)	Wiegand 26-Bit	No ID Printed
	RT-V8S-26A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	RT-V8S-38A-3000	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	ISO Card (PVC)	Wiegand 38-Bit (Rosslare Proprietary)	Inkjet – FC & Card ID (decimal)
	AT-V8K-000-0SB0	Not Programmed	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V8K-26A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V8K-38A-7SB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V8K-000-0RB0	Not Programmed	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V8K-26A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V8K-38A-7RB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)
	AT-V8K-000-0TB0	Not Programmed	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	No ID Printed
	RT-V8K-26A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	RT-V8K-38A-7TB0	O2S – Rosslare Keys	MIFARE DESFire EV1	8K	Key Fob	Wiegand 38-Bit (Rosslare Proprietary)	Laser Engraving – FC & Card ID (decimal)



125 kHz TEMIC & EM COMPATIBLE








TEMIC SERIES

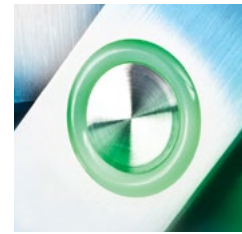


	Part Number	Type	Technology	Prog. Mem. Size	Form Factor	Format	ID Printing
	AT-TUC-000-0001	Not Programmable	TEMIC (ASK)	32 Bytes	Clamshell Card	Not Formatted	No ID Printed
	AT-TUC-000-0000	Not Programmable	TEMIC (ASK)	32 Bytes	Clamshell Card	Not Formatted	No ID Printed
	AT-TUS-000-0001	Not Programmable	TEMIC (ASK)	32 Bytes	ISO Card (PVC)	Not Formatted	No ID Printed
	AT-TUS-000-0000	Not Programmable	TEMIC (ASK)	32 Bytes	ISO Card (PVC)	Not Formatted	No ID Printed

EM SERIES For use with Proximity & goPROX® Readers



	Part Number	Type	Technology	Programmable Memory Size	Form Factor	Format	ID Printing
	AT-ERC-26A-3001	Not Programmable	EM	Read-Only	Clamshell Card	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	AT-ERC-26A-3000	Not Programmable	EM	Read-Only	Clamshell Card	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	AT-ERS-26A-3001	Not Programmable	EM	Read-Only	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	AT-ERS-26A-3000	Not Programmable	EM	Read-Only	ISO Card (PVC)	Wiegand 26-Bit	Inkjet – FC & Card ID (decimal)
	AT-ERK-26A-7RB0	Not Programmable	EM	Read-Only	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	AT-ERK-26A-7RL0	Not Programmable	EM	Read-Only	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	AT-ERK-26A-7TB0	Not Programmable	EM	Read-Only	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)
	AT-ERK-26A-7TL0	Not Programmable	EM	Read-Only	Key Fob	Wiegand 26-Bit	Laser Engraving – FC & Card ID (decimal)



SWITCHES

SECURITY SERIES



EX-06



Analog Piezoelectric REX Switch with Toggle Option

EX-16



Analog Mullion Size Piezoelectric REX Switch with Toggle Option

EX-07



Digital Piezoelectric REX Switch

EX-17 **reddot** design award



Digital Mullion Size Piezoelectric REX Switch

EX-H04



Sensitive Piezoelectric Button Switch

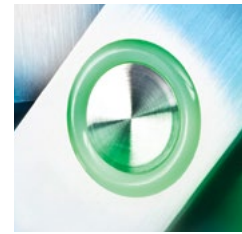
EX-M04



Sensitive Piezoelectric Button Switch

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)
 - 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 (EX-06, EX-16, EX-07, EX-17)
- Custom labeling per demand



EX-H22



Passive Infrared Motion Sensor Switch

- No-touch switch

EX-M22



Passive Infrared Motion Sensor Switch

- No-touch switch

Specification	EX-06	EX-16	EX-07	EX-17	EX-H04	EX-M22	EX-H22
Input Voltage Range	10–24 VDC/VAC				8–30 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		Yes		No		
External Lighting Control	No		Yes		Yes		
Outdoor Usage	Weather-resistant, meets IP65				No		

EX-01



Push-to-Exit Button

- N.O. and N.C. terminals

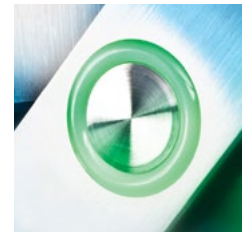
EX-02



Emergency Button

- N.O. and N.C. terminals

Specification	EX-01	EX-02
Input Voltage Range	30 VDC (typ.)	
Max. Switching Current	3 A (typ.)	
Contact	SPDT (N.O., N.C.)	
Label	Push-to-Exit, Emergency (customization upon request)	



GENERAL PURPOSE INDUSTRIAL SWITCHES

PX-13



Piezoelectric buttons designed and developed using advanced technology

PX-23



Piezoelectric buttons with LED indicator, designed and developed using advanced technology, 2 LED control inputs and a wide range of LED voltage input

PX-34



Piezoelectric buttons with light ring indication, designed and developed using advanced technology, 2 LED control inputs, and a wide range of LED voltage input

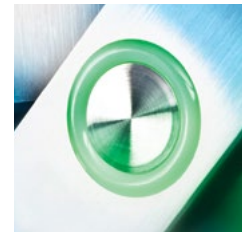
Available colors:



Electrical Specification	PX-13	PX-23	PX-34
Switch Voltage Range	5-30 VDC/VAC		
Switch Current	1A		100mA
Contact Resistance	0.1 Ohm		16 Ohm
External Power Source Required	No		Yes
Power supply voltage	N/A	12VDC	
Impulse Time N.O.	<50 ms		
Finger Pressure on Button	0.5 kg for 5 N		
Button Life	over 50 million cycles		

Environmental Specification	PX-13	PX-23	PX-34
Operating Environment	Indoor and Outdoor		
Outdoor Usage	Waterproof, meets IP68		
Operating Temperature Range	-30°C to 70°C (-22°F to 158°F)	-30°C to 60°C (-22°F to 140°F)	-40°C to 70°C (-40°F to 158°F)
Storage Temperature Range	-40°C to 80°C (-40°F to 176°F)	-30°C to 70°C (-22°F to 158°F)	-60°C to 80°C (-76°F to 176°F)
Operating Humidity Range	10% to 90%		10% to 99%

Physical Specification	PX-13	PX-23	PX-34
Height	19.5 mm (0.8 in.)		
Diameter	29.5 mm (1.2 in.)		
Standard Thread	22 mm (0.9 in.)		
Standard Wires	24-AWG wire (UL1569)		
Pigtail Length	280 mm (11.0 in.)		
Weight	22 g (0.8 oz)		
Housing Colors	Black, Natural (mat), Gold, Green, Red, Blue, White		



SWITCH ACCESSORIES

MP-06



External Metal Mount Enclosure for Piezoelectric REX Buttons

- Available external sleek polished metal mounting box
- Compatible with EX-H04, EX-06/07 and MP-H03
- US Gang Box Size

MP-16



Mullion External Metal Mount Enclosure for Piezoelectric REX Buttons

- Available external sleek polished metal mounting box
- Compatible with EX-16/17 and MP-J03

MP-J03



MP-H03

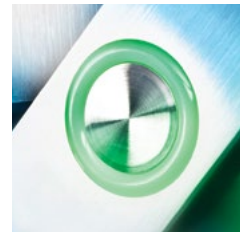


MP-M03



Mounting Plate for Piezoelectric Buttons

- Compatible with PX-13, PX-23 and PX-34 piezoelectric buttons



LOCKS

ELECTROMAGNETIC LOCKS

LK-M12L



Surface-Mounted Magnetic Lock with holding force of 1200 pounds

LK-M06L



Surface-Mounted Magnetic Lock with holding force of 600 pounds

LK-M03



Surface-Mounted Magnetic Lock with holding force of 300 pounds

ELECTROMAGNETIC LOCKS ACCESSORIES

LA-L12 + LA-Z12



Adjustable L-Bracket for LK-M12L
L&Z Bracket for LK-M12L

LA-L06 + LA-Z06



Adjustable L-Bracket for LK-M06L
L&Z Bracket for LK-M06L

LA-L03 + LA-Z03



Adjustable L-Bracket for LK-M03
L&Z Bracket for LK-M03

LA-U12



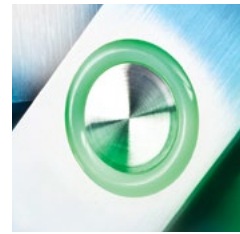
U-Bracket for glass door for use with LK-M12L & LK-M06L

LA-U03



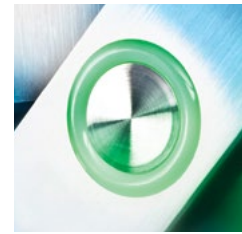
U-Bracket for glass door for LK-M03

ACCESS CONTROL



Maglock Specification	LK-M03	LK-M06L	LK-M12L
Voltage VDC	Dual Voltage 12/24 VDC		
Current	12 VDC: 360 mA 24 VDC: 180 mA	12 VDC: 500 mA 24 VDC: 250 mA	
Holding Force	136 kg (300 lb)	272 kg (600 lb)	544 kg (1200 lb)
Dimensions (L x W x D)	Main: 166 x 38.6 x 21.5 mm (6.5 x 1.5 x 0.8 in.) Contact: 129 x 31.5 x 7.5 mm (5.1 x 1.2 x 0.3 in.)	Main: 250 x 47.2 x 26.6 mm (9.8 x 1.9 x 1.0 in.) Contact: 185 x 37.5 x 11.5 mm (7.3 x 1.5 x 0.5 in.)	Main: 266 x 73 x 40 mm (10.5 x 2.9 x 1.6 in.) Contact: 184 x 60 x 16 mm (7.2 x 2.4 x 0.6 in.)
Weight	Main: 0.6 kg (1.4 lb) Contact: 0.3 kg (0.6 lb)	Main: 1.2 kg (2.7 lb) Contact: 0.7 kg (1.5 lb)	Main: 3.1 kg (6.8 lb) Contact: 1.4 kg (3.1 lb)

Brackets Specification	LA-L03	LA-L06	LA-L12	LA-Z03	LA-Z06	LA-Z12	LA-U03	LA-U12
Dimensions (L x W x D)	166 x 30 x 42 mm (6.5 x 1.2 x 1.7 in.)	250 x 30 x 48 mm (9.8 x 1.2 x 1.9 in.)	266 x 38 x 76 mm (10.5 x 1.5 x 3.0 in.)	166 x 38 x 38 mm (6.5 x 1.5 x 1.5 in.)	185 x 50 x 50 mm (7.3 x 2.0 x 2.0 in.)	185 x 63.8 x 63.8 mm (7.3 x 2.5 x 2.5 in.)	130 x 62 x 33.6 mm (5.1 x 2.4 x 1.3 in.)	185 x 62 x 33.6 mm (7.3 x 2.4 x 1.3 in.)
Weight	145 g (5.1 oz)	233 g (8.2 oz)	474 g (16.7 oz)	376 g (13.3 oz)	457 g (16.1 oz)	746 g (1.6 lb)	378 g (13.3 oz)	550 g (1.2 lb)



POWER SUPPLIES

POWER SUPPLIES

PC-25T



Secured power supply unit – PCB Module

PC-25LT



Secured power supply unit – PCB Module

PS-A25T



Intelligent Secured Power Supply
Type A Box

PS-C25T / PS-C25TU / PS-C25LT

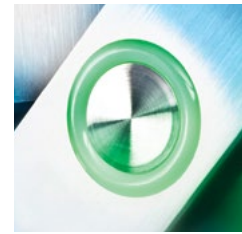


Intelligent Dual-Relay Secured Power Supply Type C Box
(PS-C25T)
US Version (PS-C25TU), C Box without transformer (PS-C25LT)

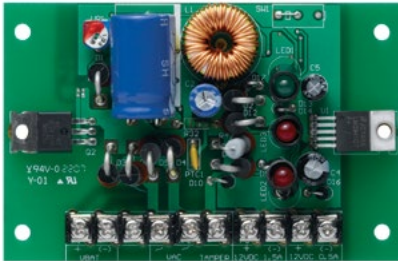
Major Features

- 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)

ACCESS CONTROL

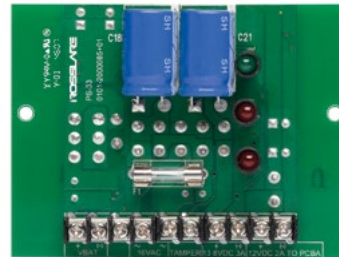


PS-14



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, 2 A and 12 VDC, 3 A power outputs and 13.8 VDC for backup battery charging of up to 7 Ah

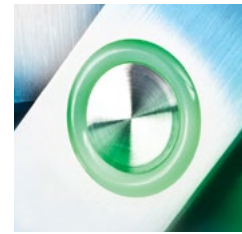
PS-30F



DIN Rail Mounted AC-DC Power Supply

- Input voltage: 230 VAC/50 Hz
- Output: 16 VAC, 1.5 A, 25 VA

Specification	PS-A25T	PS-C25T	PS-C25TU	PS-C25LT
Input	230 VAC 50 Hz, 0.14 A		16 VAC, 25 VA	16-24 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			
Speaker	Yes, 8 Ohm, 0.25 W			
Battery Backup	Up to 7 AH, maximum charge current 1.2 A			
Visual Indicators	DC output LED indicator on PCB			
Additional Features	Short circuit and thermal overload protection, includes battery leads			
Operating Temperature Range	-10°C to 50°C (14°F to 122°F)			
Operating Humidity Range	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 (8.9 x 9.1 x 3.0 in.)	
Weight	1.2 kg (2.7 lb)	2.4 kg (5.4 lb)	1.5 kg (3.3 lb)	



PC-P17



12 VDC, 2 A Power Supply PCB Unit

PS-C17/U



12 VDC, 2 A Power Supply Unit

PC-P18



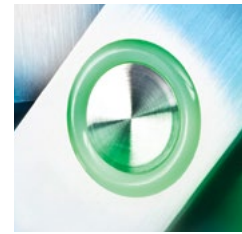
12 VDC, 5 A Power Supply PCBA

PS-C18



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

Specification	PS-C18	PS-C17	PS-C17U
Input Voltage	230/16 VAC		120/16 VAC
Output Voltage	Regulated 12 VDC		
Maximum Output Current	5.0 A	2.0 A	
Operating Temperature Range	-10°C to 70°C (14°F to 158°F)		
Operating Humidity Range	0 to 95% (non-condensing)		



ACCESSORIES

CARD PROGRAMMERS

CP-R26



Desktop MIFARE® and Full Fingerprint Card Programmer

CP-R20U



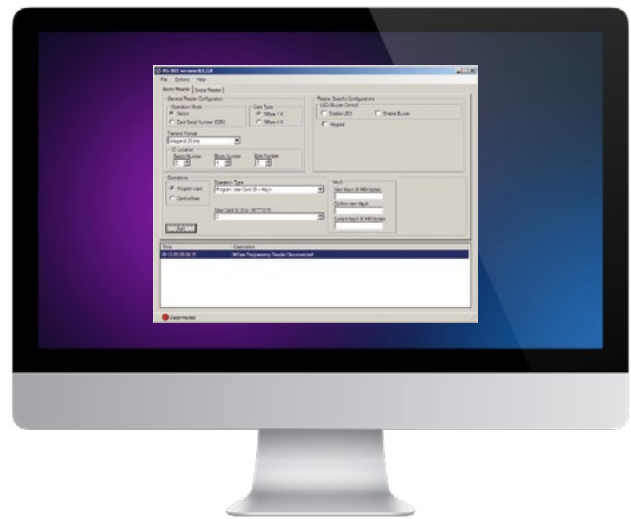
USB Proximity Card Programmer for TEMIC Series

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

Main Features

- Unlimited number of users
- Advanced, secure, multi-application functionality for intelligent installations
- Indication and 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 Smart Card Sector Readers and AY-Bx66x and AYC-B7661 Readers
- Unique, fast, and highly flexible fingerprint recognition and look-up algorithms
- Active Fingerprint-Sensing Technology allows a wider range of fingerprint captures
- Support any MIFARE Classic EV1 programming (NXP based)

AS-B01



Card Programmer PC Software

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





■ OTHER ACCESSORIES

MD-N32



TCP/IP to RS-232 Gateway

BL-D40



Compact Bell and Strobe Unit for Standalone Controllers

MD-14U



RS-485 to USB Converter

MD-24U



RS-232 to USB Converter

MD-08

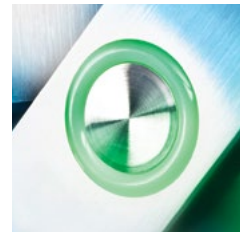


Wiegand 26-Bit to RS-232 Output Converter

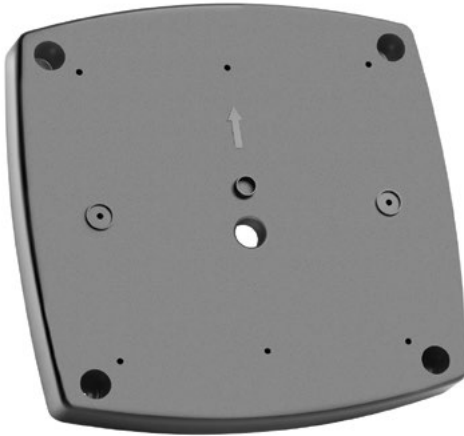
MD-08B



Programming Interface for Smart Card Readers (CSN only)



MP-Z02



Mounting Spacer for Long-Range Reader

- Compatible with AY-Z12A

MP-K01



Mount Spacer for K-Type Readers

- Compatible with AY-KR12, AY-K20, and AY-K25 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



TURNKEY KITS

An advanced access control platform in compact innovative kits that are ideal for the SME and SMB markets. AxTraxNG™ Ultralight pre-installed and pre-configured plug-and-play components are ideal for maximizing ROI with ultra-cost-effective deployment for small & medium business environments.

MS-K825IP

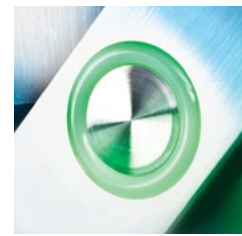


- AC-825IP
- 4 AY-K6255
- PC- Z64W with AxTraxNG Ultralight pre-installed
- 50 proximity cards (2 packs)

MS-K225IP



- AC-225IP
- 2 AY-K6255
- PC- Z64W with AxTraxNG Ultralight pre-installed
- 25 proximity cards (1 pack)



ACCESS CONTROL KITS

AC-K01E/L



AC-215E/L Single-Door Kit
(230/110 VAC Transformer)

AC-K02E/L



AC-215E/L 2-Door Kit (In)
(230/110 VAC Transformer)

AC-K03



Single-Door Networked
Controller Kit

AC-K04E/L, AC-K06E/L, AC-K07E/L



AC-215IP, AC-225 E/L, AC-225IP
2-Door Kit (In) (230/110 VAC
transformer)

AC-K14E/L, AC-K15E/L



AC-425 E/L, AC-425IP 4-Door Kit (In)
(230/110 VAC transformer)

AC-K10



Wireless Access Control Door
Interface Kit (MD-W11N, MD-W11F,
MD-W11BP & PS-DC2429)

AC-K16C/F/S



AC-825IP 4-Door Kit (In)
(230/110 VAC transformer)

Model	Controller	MP-K01	AY-K12C	Credential
AC-K01E/L	AC-215	1	1	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K02E/L	AC-215	1	2	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K03	AC-115	1	1	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K04E/L	AC-215IP	1	2	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K06E/L	AC-225	1	2	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K07E/L	AC-225IP	1	2	50 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K14E/L	AC-425	1	4	100 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K15E/L	AC-425IP	2	4	100 x EM Compatible ISO Card/Clamshell/Key Fob Ring
AC-K16C/F/S	AC-825IP	2	4	100 x EM Compatible ISO Card/Clamshell/Key Fob Ring

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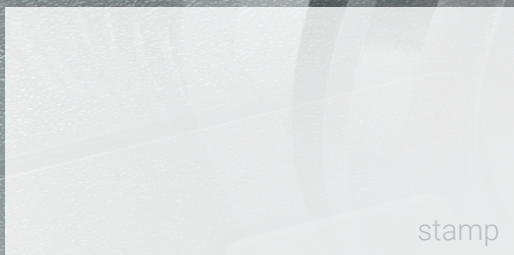
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