

AY-x25

Outdoor Mifare® Contactless Smartcard Reader Family

Rosslare's AY-x25 is a family of rigid and reliable readers capable of reading Mifare® Smartcard Contactless cards utilizing any standard access control system. With 7 selectable output formats, it is suited with most existing systems by reading only the required information from the card.

The AY-x25 readers are fully potted, sealed, and made of rigid, UV resistant poly-carbonate housing, which make it highly suitable for outdoor use. With a 1.57 to 1.97 inch read range, it makes a very simple, reliable, and cost effective way to upgrade your system to the Smartcard standard.

General Description

The family of AY-x25 readers are contactless Mifare® readers supporting ISO14443A 13.56MHz standard, capable of reading card serial number and sending it to a control panel using either Wiegand or Clock & Data formats.

The adaptable AY-x25 is the answer for organizations seeking a uniform reader compatible with various international locations and mounting standards.

Made of tough polycarbonate UV plastic and completely waterproof, the durable reader can withstand harsh weather conditions as well as tamper attempts.



Main Features

- Incorporates the ISO-14443A Mifare® ID Format Protocol
- Read range between of 1.57 to 1.97 in. (4 to 5 cm)
- Designed under Rosslare's ISO 9001:2000 Certified Quality standards
- Programmable output formats including standard Wiegand 26-Bit
- Selectable LED control and buzzer control functions
- Made of tough Polycarbonate plastic for improved performance in all weather conditions

PROFESSIONAL GRADE FEATURES

- Optical Back tamper detection
- Bi-colored LED and buzzer control input
- Internal buzzer
- PC software and programming adapter (MD-08B) for easy configuration
- Weather-Resistant

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Product Specifications

ELECTRICAL CHARACTERISTICS	AY-J25	AY-K25	AY-M25	AY-L25	AY-H25
• Operating Voltage:	5 to 16 V DC from a regulated power supply				
• Standby Current (12 V DC)	35 mA	49 mA	35 mA	35 mA	45 mA
• Max Current (12 V DC)	55 mA	67 mA	55 mA	55 mA	61 mA
• Tamper Output:	Open collector, active low, 30 mA Max sink current				
OPERATIONAL CHARACTERISTICS					
• Inputs:	Programmable LED Control / Buzzer control Input, N.O, Dry Contact				
• Indicators:	Tri-Colored LED indicators				
• Output Format:	Selectable transmission formats: Wiegand 26-bits w/site code, Fixed 26-bits, 32 bits, 32 bits reversed, 34 bits, 40 bits and Clock & Data.				
• Built-In Proximity reader:	Compatible Cards: Mifare® Compatible ISO-14443A Range also depends on electrical environment and proximity to metal. Operating Frequency: 13.56 MHz				
• Max. read range:	1.77 in. 4.5 cm	1.57 in. 4 cm	1.77 in. 4.5 cm	1.77 in. 4.5 cm	1.96 in. 5 cm
environmental Characteristics					
• Operating Environment:	Water resistant, suitable for outdoor use (meets IP65)				
• Operating Temperature:	-25°F to 145°F (-31°C to 63°C)				
• Operating Humidity:	0% to 95% (Non-Condensing)				
MECHANICAL CHARACTERISTICS					
• Dimensions (H x W x D) Inches:	4.7x1.7x0.6	3.2x1.6x0.5	3.5x3.5x0.6	5.7x1.7x0.8	4.3x2.9x0.6
Millimeters:	120x42x14	80x40x13	89x89x15	145x43x20	110x75x15
• Weight:	3.18 oz. 90.23 g	2.66 oz. 75.49 g	4.24 oz. 120.24 g	4.06 oz. 115.19 g	4.23 oz. 119.87 g

Family Images



AY-M25 AY-H25 AY-L25 AY-J25 AY-K25

System Components

The AY-x25 family of readers are compatible with a variety of Rosslare's controllers (AC-225, AC-215, AC-115 etc.) as well as with many third party systems, and are compatible with Rosslare's AT-T511 Ultralight, AT-T512 & AT-T513, 1K and 4K Mifare® cards and AT-T515 1K tag.



AC-115 AC-225 AT-T51x Cards AT-T515

Additional Information

The AY-x25 covered by Rosslare's 5-year Limited Product Warranty. For sales information or product documentation, please visit our website: <http://www.rosslaresecurity.com>.



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