

AY-x25B

Outdoor MIFARE® Contactless Smart Card Reader Family



AY-M25B

AY-H25B

AY-L25B

AY-J25B

AY-K25B

ROSSLARE'S AY-x25B IS A FAMILY OF RIGID AND RELIABLE READERS CAPABLE OF READING MIFARE® SMART CARD CONTACTLESS CARDS UTILIZING ANY STANDARD ACCESS CONTROL SYSTEM. WITH 7 SELECTABLE OUTPUT FORMATS, IT IS SUITED TO MOST EXISTING SYSTEMS BY READING ONLY THE REQUIRED INFORMATION FROM THE CARD.

THE AY-x25B READERS ARE FULLY POTTED, SEALED, AND MADE OF RIGID, UV RESISTANT POLY-CARBONATE HOUSING, WHICH MAKE THEM HIGHLY SUITABLE FOR OUTDOOR USE. WITH A 6- TO 7-CM READ RANGE, THE READERS ARE A VERY SIMPLE, RELIABLE, AND COST EFFECTIVE WAY TO UPGRADE YOUR SYSTEM TO THE SMART CARD STANDARD.

GENERAL DESCRIPTION

The AY-x25B series of readers are contactless MIFARE readers supporting ISO14443A 13.56 MHz standard, capable of reading card serial number and sending it to a control panel using either Wiegand or Clock & Data formats. The adaptable AY-x25B 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 readers can withstand harsh weather conditions as well as tamper attempts.

MAIN FEATURES

- Incorporates the ISO-14443A MIFARE® ID Format Protocol
- Read range between of 6 to 7 cm (2.36 to 2.76 in.)

- 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

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS		AY-M25B	AY-H25B	AY-L25B	AY-J25B	AY-K25B
■ Operating Voltage Range	5 to 16 VDC from a regulated power supply					
■ Standby Input Current	35 mA					
■ Maximum Input Current	55 mA					
■ Tamper Output	Open collector, active low, max. sink current 30 mA					
OPERATIONAL SPECIFICATION						
■ Inputs	Programmable LED and buzzer control inputs, N.O, Dry Contact					
■ Indicators	Tri-colored LED indicators					
■ Output Format	Selectable transmission formats: Wiegand 26-Bit w/site code, Fixed 26-bit, 32-Bit, 32-Bit reversed, 34-Bit, 40-Bit and Clock & Data					
■ Proximity Card Reader	Compatible Cards: MIFARE [®] Compatible ISO-14443A Range also depends on electrical environment and proximity to metal.					
■ Max. Read Range	65 mm (2.6 in.)	70 mm (2.8 in.)	70 mm (2.8 in.)	60 mm (2.4 in.)	60 mm (2.4 in.)	
ENVIRONMENTAL SPECIFICATIONS						
■ Operating Environment	Water resistant, suitable for outdoor use (meets IP65)					
■ Operating Temperature	-31°C to 63°C (-25°F to 145°F)					
■ Operating Humidity	0% to 95% (non-condensing)					
PHYSICAL SPECIFICATIONS						
■ Dimensions (H x W x D)	88.9 x 88.9 x 15 mm (3.5 x 3.5 x 0.6 in.)	109.9 x 74.91 x 15 mm (4.3 x 3.0 x 0.6 in.)	144.9 x 42.9 x 20 mm (5.71 x 1.69 x 0.79 in.)	120.0 x 42.0 x 14 mm (4.7 x 1.7 x 0.6 in.)	79.9 x 39.9 x 12.8 mm (3.1 x 1.6 x 0.5 in.)	
■ Weight	120.3 g (4.2 oz.)	119.9 g (4.2 oz)	115.2 g (4.1 oz)	90.2 g (3.2 oz.)	75.5 g (2.7 oz)	
SYSTEM COMPONENTS		The AY-x25B series of readers are compatible with a variety of Rosslare's controllers 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.				
PRODUCT WARRANTY		5-Year Limited Product Warranty				

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

www.rosslaresecurity.com

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