AY-x25B

Outdoor MIFARE Classic® EV1 Contactless Smart Card Reader Family

| AY-M25B | AY-H25B | AY-L25B | AY-J25B | AY-K25B |

Rosslare's AY-x25B is a family of reliable readers capable of reading MIFARE Classic® EV1 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 (2.4-2.8 in.) 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 Classic EV1 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 Classic EV1 ID Format Protocol

- Read range between of 6 to 7 cm (2.4 to 2.8 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

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	AY-M25B	AY-J25B	AY-H25B	AY-L25B	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 16 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 Classic EV1 Compatible ISO-14443A Range also depends on electrical environment and proximity to metal.				
■ Max. Read Range	65 mm (2.6 in.)	60 mm (2.4 in.)	70 mm (2.8 in.)	70 mm (2.8 in.)	60 mm (2.4 in.)

ENVIRONMENTAL SPECIFICATIONS					
■ Operating Environment	Water resistant, suitable for outdoor use (meets IP65)				
■ Operating Temp. Range	-31°C to 63°C (-25°F to 145°F)				
■ Operating Humidity Range	0% to 95% (non-condensing)				

PHYSICAL SPECIFICATIONS					
■ Dimensions (H x W x D)	89 x 89 x 15 mm (3.5 x 3.5 x 0.6 in.)	120.0 x 42.0 x 14 mm (4.7 x 1.7 x 0.6 in.)	110 x 75 x 15 mm (4.3 x 3.0 x 0.6 in.)	145 x 43 x 20 mm (5.7 x 1.7 x 0.8 in.)	80 x 40 x 12.8 mm (3.2 x 1.6 x 0.5 in.)
■ Weight	109.1 g (3.8 oz.)	90.2 g (3.2 oz.)	116.9 g (4.1 oz)	111.1 g (3.9 oz)	68.5 g (2.4 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
PRODUCT WARRANTY	5-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products 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. 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. 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

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