

AY-M25B

MIFARE Classic® EV1 Contactless Smart Card Reader



This reliable unit provides the capability to read MIFARE Classic® EV1 smart card contactless cards with any standard access control system. With 7 programmable output formats, it will fit most existing system's needs and read the information required.

The AY-M25B is fully-potted, sealed and made of a rigid, UV resistant polycarbonate, which makes it highly suitable for outdoor use. With a maximum range of 65 mm (2.6 in.), it is a very simple, reliable, and cost effective way to upgrade your system to the smart card standard.

GENERAL DESCRIPTION

The affordably priced AY-M25B reader is a contactless Serial ID Only reader that functions by reading MIFARE Classic EV1 ID Format Protocol via a variety of 13.56 MHz cards and tags.

The adaptable AY-M25B is the answer for global companies seeking a uniform reader compatible with differing international mounting standards. Made of tough polycarbonate UV plastic and completely waterproof, the durable reader can withstand harsh weather conditions and tampering.

MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE Classic EV1) ID Format Protocol
- Read range of up to 65 mm (2.6 in.)

- Multiple programmable output formats including standard Wiegand 26-Bit
- Selectable LED control or buzzer control functions
- Made of tough polycarbonate plastic for improved performance in all weather conditions

PROFESSIONAL GRADE FEATURES

- Optical back tamper detection technology
- Bi-colored LED and LED control input
- Internal buzzer
- PC software and programming adapter (MD-08B) for easy configuration of the unit
- Weather-resistant

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC from a regulated power supply
■ Input Current	Standby: 35 mA @ 12 VDC Max: 55 mA @ 12 VDC
■ Tamper Output	Open collector, active low, max sink current 30 mA

OPERATIONAL SPECIFICATIONS

■ Inputs	Programmable LED control/buzzer control input, N.O., Dry Contact
■ Indicators	Bi-colored LED indicator
■ Output Format	Programmable multi-format: Wiegand 26-bit w/site code, Fixed 26-Bit, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit and Clock & Data
■ Built-In Proximity Reader	Maximum read range: 65 mm (2.6 in.) * Operating frequency: 13.56 MHz Compatible cards: MIFARE Classic EV1 Compatible ISO-14443A * Measured with Rosslare's MIFARE Classic EV1 1K bytes cards. Range also depends on installation environment, reader voltage, and proximity to metal.

ENVIRONMENTAL SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

■ Dimensions (H x W x D)	88.9 x 88.9 x 15 mm (3.5 x 3.5 x 0.6 in.)
■ Weight	120.3 g (4.2 oz.)

SYSTEM COMPONENTS

The AY-M25B is compatible with a variety of Rosslare's controllers, as well as with many third-party systems, and is compatible with Rosslare's MIFARE Classic EV1 cards.

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.

www.rosslaresecurity.com

MIFARE® is a trademark of NXP Semiconductors

