

AY-M25

13.56 MHz Contactless Mifare®* Smart Card Reader

The AY-M25 **Mifare**® contactless card ID Only reader functions by reading the **Mifare**® ID Format protocol and 13.56 MHz cards and tags, This model is made with world class environmental functionality, ruggedness, and affordable price; with epoxy waterproofing, 2 Color LED control, optical back tamper and buzzer. Family called "Advantis Mifare®", Series.

* MIFARE® is a registered trademark of Philips Electronics N.V.

GENERAL SYSTEM DESCRIPTION

There are five different "Advantis Mifare®" models here crafted out of the finest materials, and manufactured with precision under Rosslare's ISO 9001:2000 Certified Quality standards.

Each model has a different footprint to cover almost all of the mounting requirements to International electrical box fixtures, doors, and walls. The units have CE, UL and FCC certification (PENDING) for Safety and Access Control Standards.

AY-M25 "Advantis Mifare®" readers have READ SERIAL ID ONLY capability with a Wiegand 26-Bit output format. The readers interface directly to standard access control panels, and read ID-Only by a 13.56 MHz contactless interface for reading a variety of cards and tags with maximum read range of up to 50 mm*.

All the series readers feature an easy mounting with hidden screws (security screws may be used to enhance strength) and a top cover. The Optical tamper adds system information against wall removal, and the Buzzer adds audible RFID card read. LED control can give system based information to the end user.

Overall these five models offer a solution for companies operating on a global directive, and ISO 14443 Type A compatible cards.

One for every type of mounting need!

ADVANCED FEATURES

- > Backed by Rosslare's International Lifetime Warranty
- > Certified for USA UL294/ULC & FCC CFR 47 Part 15b
- > Certified for EUROPE CE Mark
- > Wide Range Operating Voltage: 5 to 16V DC
- > Affordable Read Serial ID Only Mifare® cards
- > Transmit RF Frequency: 13.56 MHz
- > Internal Buzzer
- > 2-Color LED with good read indication and control input
- > Optical Wall Tamper Detection
- > Protected with epoxy potting for harsh weather (IP68) and improved performance for anti vandalism.
- > Made of Tough Polycarbonate UV Plastic (UL 94)
- > Comes with mounting template for easier installation.

MAXIMUM CARD READ RANGE **

READER		READ
MODEL		RANGE
> AY-M25	-	50 mm (1.96 in.)
> AY-H25	-	TBA mm (TBA in.)
> AY-L25	-	TBA mm (TBA in.)
> AY-J25	-	TBA mm (TBA in.)
> AY-K25	-	TBA mm (TBA in.)

^{**}Based on card or tag quality and local installation conditions

GLUE-LESS DOOR CONTROL COMPATIBILITY

Rosslare's AY-(X) 25 series provide a highly economical, and reliable solution for applications that require a large amount of RFID card readers, with enough selection for many mounting requirements.



Figure 2: AY-M25 Mifare® Smart Card ID Reader

IMPORTANT NOTICE!: The first Model RSP Makes available is the AY-M25 others are TBA









Figure 1: AY-M25 Mifare® Smart Card ID Reader Series

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AY-J,K,L,M,H-25

13.56 MHz Contactless Mifare®* Smart Card Readers

ELECTRICAL CHARACTERISTICS

Operating Voltage Range:

5 to 16V DC From a Regulated Power Supply

Maximum Input Current at 12V:

J & K Standby: 35 mA Max: 50 mA

H,L & M Standby: 35 mA

Max: 100 mA

Tamper Output:

Open collector, active low, max. sink current is 16 mA - TBD Optical tamper must be flush to wall surface to work.

Max Range to Controller:

With proper wiring reader to controller can be 150m / (500 ft)

Inputs: LED Control Input N.O., Dry Contact

LEDs: Two Tri-colored LEDs

Proximity Reader model AY-M25 for Example:

Max Read Range** 4.5" (12cm)

13.56 MHz Carrier Frequency Modulation Mifare® Compatible ISO14443 A Compatible Cards

OPERATING CHARACTERISTICS

Operating Temperature: -25°F to 145°F (-31°C to 63°C) - TBD

Operating Humidity: 0 to 95% (Non-Condensing)

Suitable for outdoor use. (IP 65)

PHYSICAL CHARACTERISTICS (See Mechanical Dimensions)

Model: Weight:

> AY-M25 110 g (3.9 oz) - TBD > AY-H25 105 g (3.7 oz) - TBD > AY-L25 102 g (3.6 oz) - TBD > AY-J25 83 g (2.9 oz) - TBD > AY-K25 67 g (2.4 oz) - TBD

ROSSLARE COMPATIBLE CONTROLLERS AND ACCESSORIES

The AY-X 25 series readers are compatible with a variety of Rosslare's Wiegand 26-Bit Format supporting access controllers; AC-215, AC-115, AC-015 and with many third party access control systems.

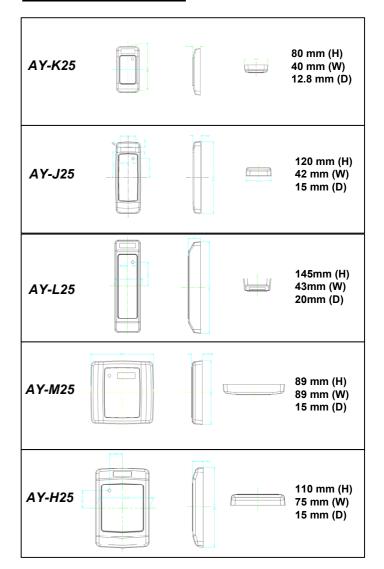


AC-115 Networked 8-Door Control System



AC-215 **Networked 512-Door Control System**

MECHANICAL DIMENSIONS





AT-M14 Mifare® Clamshell Smart Card



AT-M11 Mifare® ISO Smart Card



AT-M32B Mifare® Smart Tag



AT-M32W Mifare® Smart Tag / Key FOB

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^{* **}Based on card or tag quality and local installation conditions Range also depends on electrical environment and proximity to metal.