

# AY-M26

MIFARE Classic® EV1 Sector Reader



The sector reader is a fully-featured smartcard contactless reader, ideal for highly secured facilities, as well as other locations that wish to utilize smartcard-based applications such as electronic wallets combined with access control or intrusion, time & attendance applications.

The AY-M26 is fully potted, sealed, and made of a rigid, UV resistant polycarbonate, which makes it highly suitable for outdoor use.

## GENERAL DESCRIPTION

Programming of the reader is performed by presenting a programmable Configuration Card, created using Rosslare's Smartcard programmers (CP-R25 or CP-R26).

A reader scans the information stored in a specific protected sector within a MIFARE Classic® EV1 smartcard, sends the data to a connected access control system, and allows the integrator to set secret keys for different sectors within the card.

This establishes a unique network with proprietary cards, where no card can possibly have the same ID on the same location and with the same reader key.

The readers meet IP65 and are suitable for both indoor and outdoor use. The 10-wire interface allows easy connection of the unit to a control panel and includes LED control and buzzer control. These products can be customized for most major projects.

## MAIN FEATURES

- Advanced, secure, multi-application functionality for intelligent installations

- Easy to deploy in the field with the configuration card (Master card) for secure sector reading of data from the sectors
- Configurable multi-output format, supports multiple formats including Wiegand 26-bit
- Compatible with CP-R25 or CP-R26 USB Desktop Card Programmers
- PC software for Master and User Card configuration (AS-B01)

## PROFESSIONAL GRADE FEATURES

- Reads MIFARE Classic® EV1 ISO14443 Type A, standard cards
- Dedicated LED and buzzer control inputs
- Optical tamper sensor for case and wall tamper detection
- Fully compatible with MIFARE Classic® EV1 1K and 4K
- Reads card's serial number with MIFARE Classic® EV1 Ultralight and MIFARE® DESFire®

# SPECIFICATIONS

## ELECTRICAL CHARACTERISTICS

■ Operating Voltage Range	6.5–16 VDC
■ Standby Input Current	110 mA
■ Maximum Input Current	165 mA
■ Tamper Output	Open collector, active low, max sink current 30 mA

## OPERATIONAL CHARACTERISTICS

■ Inputs	Programmable LED control/buzzer control input, N.O., Dry Contact
■ Indicators	Tri-colored LED indicator
■ Output Format	Wiegand 26-Bit, Clock & Data, Wiegand 32-Bit, Wiegand 34-Bit, Wiegand 40-Bit
■ Built-In Proximity Reader	Operating Frequency: 13.56 MHz MIFARE Classic EV1 Compatible ISO-14443A-3
■ Max. Proximity Read Range	70 mm (2.8 in.)

## ENVIRONMENTAL CHARACTERISTICS

■ 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 CHARACTERISTICS

■ Dimensions (H x W x D)	89 x 89 x 15 mm (3.5 x 3.5 x 0.6 in.)
■ Weight	116 g (0.3 lb)

## SYSTEM COMPONENTS

The Read-Sector Readers are compatible with Rosslare's CP-R25 & CP-R26 USB Desktop card programmer and its associated AS-B01 Card Programming Software.  
The 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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