

# AY-K25

## MIFARE® Contactless Smartcard Reader



THIS NEW, RIGID, AND RELIABLE UNIT PROVIDES THE CAPABILITY TO READ MIFARE® SMARTCARD 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-K25 IS FULLY-POTTED, SEALED AND MADE OF A RIGID, UV RESISTANT POLY-CARBONATE, WHICH MAKES IT HIGHLY SUITABLE FOR OUTDOOR USE. WITH A MAXIMUM RANGE OF 4 CM (1.57 IN.), IT IS A VERY SIMPLE, RELIABLE AND COST EFFECTIVE WAY TO UPGRADE YOUR SYSTEM TO THE SMARTCARD STANDARD.

### GENERAL DESCRIPTION

The affordably priced AY-K25 reader is a contactless Serial ID Only reader that functions by reading MIFARE® ID Format Protocol via a variety of 13.56 MHz cards and tags.

The adaptable AY-K25 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®) ID Format Protocol
- Read range of up to 40 mm (1.57 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: 49 mA @ 12 VDC Maximum: 67 mA @ 12 VDC
■ Tamper Output	Open collector, active low, max. sink current is 16 mA

## OPERATIONAL SPECIFICATIONS

■ Inputs	Programmable LED control/buzzer control Input, N.O, Dry Contact
■ Indicators	Tri-colored LED indicators
■ 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	Max. read range: 40 mm (1.57 in.) Operating Frequency: 13.56 MHz Compatible Cards: MIFARE® Compatible ISO-14443A

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Water resistant, suitable for outdoor use (IP65 rated)
■ 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)	80 x 40 x 13 mm (3.15 x 1.57 x 0.51 in.)
■ Weight	54 g (1.9 oz)

## SYSTEM COMPONENTS

The AY-K25 is compatible with a variety of Rosslare's controllers, as well as with many third-party systems, and is compatible with Rosslare's MIFARE® 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.

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