

## 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 5cm, it makes a very simple, reliable and cost effective way to upgrade your system to 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.
- Reads range of up to 50 mm (1.96").
- Designed under Rosslare's ISO 9001:2000 Certified Quality standards.
- 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.

# AY-K25 Mifare® Contactless Smartcard Reader



## Product Specifications

ELECTRICAL CHARACTERISTICS	
• Operating Voltage Range:	5 to 16 VDC from a regulated power supply
• Input Current:	Standby: 45 mA @ 12 VDC Max: 60 mA @ 12 VDC
• Tamper Output:	Open collector, active low, max. sink current is 30 mA
OPERATIONAL CHARACTERISTICS	
• Inputs:	Programmable LED Control / Buzzer control Input, N.O, Dry Contact
• Indicators:	Tri-Colored LED indicators
• Output Format:	Programmable multi-format: Wiegand 26-bits w/site code, Fixed 26-bits, 32 bits, 32 bits reversed, 34 bits, 40 bits and Clock & Data.
• Built-In Proximity Reader:	Max. read range: 50 mm (1.69") Operating Frequency: 13.56 MHz Compatible Cards: <b>Mifare®</b> Compatible ISO-14443A
ENVIRONMENTAL CHARACTERISTICS	
• Operating Environment:	Water resistant, suitable for outdoor use (meets IP65)
• Operating Temperature:	-31°C to 63°C (-25°F to 145°F)
• Operating Humidity:	0% to 95% (Non-Condensing)
MECHANICAL CHARACTERISTICS	
• Dimensions: H x W x D	80 x 40 x 13 mm (3.15 x 3.57 x 0.6 inch)
• Weight:	69 g (0.152 lbs)

## System Components

The AY-K25 is compatible with a variety of Rosslare's controllers (AC-225, AC-215, AC-115 etc.) as well as with many third party systems, and is compatible with Rosslare's AT-T511, AT-T521 & AT-T531 Ultralight (64 bytes), 1K and 4K Mifare® cards.



## Additional Information

The AY-K25 is covered by Rosslare's 5-year Limited Product Warranty.

For sales information or product documentation, please visit our website:  
<http://www.rosslaresecurity.com>.



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