



AY-W6250

MIFARE[®] Contactless Smartcard Reader



THE NEW AY-W6250 IS A MIFARE[®] SMARTCARD CONTACTLESS READER WITH A NEW, ELEGANT DESIGN, WHICH PROVIDES THE CAPABILITY OF SERIAL ID READING OF MIFARE[®] CARDS TO 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-W6250 IS FULLY-POTTED, SEALED AND MADE OF RIGID, UV RESISTANT POLY-CARBONATE, WHICH MAKES IT HIGHLY SUITABLE FOR OUTDOOR USE. WITH ITS MAXIMUM RANGE OF 6.5 CM (2.56 IN), IT IS A VERY SIMPLE, RELIABLE AND COST EFFECTIVE WAY TO UPGRADE YOUR SYSTEM TO SMARTCARD STANDARD.

GENERAL DESCRIPTION

The affordably priced AY-W6250 reader is a contactless Serial ID Only reader that functions by reading the MIFARE[®] ID Format Protocol via a variety of 13.56 MHz cards and tags. The adaptable AY-W6250 is the answer for global companies seeking a uniform reader compatible with differing international mounting standards.

The durable reader is completely waterproof and can withstand harsh weather conditions and tampering.

MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE[®]) ID Format Protocol
- Read range of up to 70 mm (2.8 in.)
- Designed under ISO 9001:2008 Certified Quality standards

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

ADVANCED FEATURES

- Optical tamper sensor for cover and wall tamper detection
- 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: 110 mA @ 12 VDC Maximum: 165 mA @ 12 VDC
■ Tamper Output	Open collector, active low, maximum sink current is 16mA

OPERATIONAL SPECIFICATIONS

■ Inputs	Programmable LED control/buzzer control input, N.O, Dry Contact
■ Indicators	Bi-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: 65 mm (2.56 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)	125 x 83 x 29.5 mm (4.92 x 3.27 x 1.16 in.)
■ Weight	230 g (0.51 lbs)

SYSTEM COMPONENTS

The AY-W6250 is compatible with a variety of controllers with many third-party systems, and is compatible with Rosslare's AT-T511, AT-T521 and AT-T531 Ultralight (64 bytes), 1K and 4K MIFARE[®] cards and tags.