AY-Q6250

Anti-Vandal MIFARE Classic® EV1 Contactless Smartcard Reader

The new AY-Q6250 is an anti-vandal MIFARE Classic® EV1 smart card contactless reader, which provides the capability of serial ID reading of MIFARE Classic EV1 cards to any standard access control system. With 7 programmable output formats, it fits almost any existing system needs and required read information, making it a very simple, reliable, and cost effective way to upgrade your system to smart card standard.

This fully-sealed, epoxy-potted unit provides a weatherproof and vandal-resistant solution for extremely harsh environments.

GENERAL DESCRIPTION

The affordably priced AY-Q6250 reader is a contactless Serial ID Only reader that functions by reading the MIFARE Classic EV1 ID format protocol via a variety of 13.56 MHz cards and tags.

The unit is designed for easy mounting with hidden screws (security screws may be used to enhance strength) and cover. Optical tamper adds protection against wall removal, and the buzzer adds audible RFID card read notification. LED control provides system based information to the end user.

MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE Classic EV1) ID Format Protocol
- Reads range of up to 45 mm (1.8 in.)
- High strength design, epoxy-potted, fully-sealed within an all-metallic housing
- Multiple, programmable output formats including standard Wiegand 26-Bit
- Selectable LED control or buzzer control functions

PROFESSIONAL GRADE FEATURES

- Optical tamper sensor and output 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
- Comes with mounting template for easier installation
- Water-resistant with epoxy potting (IP65) suitable for indoor and outdoor applications

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■	Operating Voltage Range	5–16 VDC, from a regulated power supply.
■	Standby Input Current	60 mA
■	Maximum Input Current	100 mA
■	Proximity Card Reader	Maximum read range: 45 mm (1.8 in.) Operating frequency: 13.56 MHz Compatible cards: MIFARE Classic EV1 Compatible ISO-14443A
■	Tamper Output	Open collector, active low, max. sink current 32 mA

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-Bits, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit, and Clock & Data

ENVIRONMENTAL SPECIFICATIONS

■	Operating Environment	Water resistant, suitable for outdoor use (IP65)
■	Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
■	Operating Humidity Range	0% to 95% (non-condensing)

PHYSICAL SPECIFICATIONS

■	Dimensions (H x W x D)	120 x 76 x 22 mm (4.72 x 3.0 x 1.0 in.)
■	Weight	500 g (1.1 lb)

SYSTEM COMPONENTS	The AY-Q6250 is compatible with a variety of Rosslare's controllers and with many third-party systems, and is compatible with Rosslare's Ultralight (64 bytes), 1K and 4K MIFARE Classic® EV1 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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