# AY-W6350

## MIFARE Classic® EV1 Contactless Smartcard Reader with Keypad

This MIFARE Classic® EV1 13.65MHz Smartcard and PIN code reader has an elegant design with backlit keys. AY-W6350 is an advanced model with multi-format outputs for high compatibility with standard host access controllers. It has a local menu to program facility code as well as Card & PIN credential modes. This fully-potted model resists dust and moisture at level IP65.

### GENERAL DESCRIPTION

The AY-W6350 is the latest addition to Rosslare's family of MIFARE Classic EV1 card readers. It can read MIFARE Classic EV1 card serial number (CSN) from all ISO 14443A-3 type cards.

AY-W6350 has locally programmable modes for a 1- to 8-digit PIN code, with a high-security option of "PIN plus card", as well as a 3-digit facility code. Even with the unit's strong features, this reader is user-friendly and easy to install with an additional level of security in the form of a password-protected menu.

This reader supports Wiegand 26/32/34/40-Bit or Clock & Data output protocols. It has a 6-wire shielded cable interface to the host controller for power, data, LED control input, and tamper status. Backlight offers a higher level of user accessibility. Free from sharp edges, it is ideal for installations where style and functionality are highly important.

### MAIN FEATURES

- Incorporates the ISO-14443A (MIFARE Classic EV1) ID Format Protocol
- Read range of up to 70 mm (2.8 in.)
- Backlit 3x4 keypad
- 8 programmable Proximity Card transmission formats, Wiegand 26- to 40-Bit or Clock & Data

- Smooth, attractive, and elegant industrial design
- Selectable LED control or buzzer control functions
- Made from tough polycarbonate plastic for improved performance in all weather conditions

### PROFESSIONAL GRADE FEATURES

- Optical tamper sensor for cover and wall tamper detection
- 8 programmable PIN transmission formats for data and credential entry options
- Card + PIN mode for higher security
- Door bell key feature (from "*" key when interfaced with Rosslare controllers)
- Weather-resistant with epoxy potting (IP65)
- One tri-colored LED and integral sounder for programming and operation
- Programmable facility code
- Installation kit includes template label, security screw, and tool
- 60 cm (23.6 in.) 6-wire interface cable

## ROSSLARE
### SECURITY PRODUCTS

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

| | |
|---|---|
| ■ Operating Voltage Range | 5–16 VDC, from a linear type Power Supply (18 VDC is absolute maximum) |
| ■ Input Current | Standby: 180 mA @ 12 VDC<br>Maximum: 235 mA @ 12 VDC |
| ■ Tamper Output | Open collector, active low, maximum sink current is 32 mA |

## OPERATIONAL SPECIFICATIONS

| | |
|---|---|
| ■ LED Control Input | N.O., Dry Contact |
| ■ Keypad | 3x4 red backlit keys for PIN codes entry and local programming door bell key ('✱') function (with Rosslare controllers only) |
| ■ Built-In Reader | Maximum read range: 70 mm (2.8 in.)<br>Operating frequency: 13.56 MHz<br>Compatible Cards: MIFARE Classic® EV1 Compatible ISO-14443A |
| ■ PIN Code Formats | 8 selectable formats, from single to 8-digit PIN codes |
| ■ Card Output Formats | 8 selectable formats: Wiegand 26-Bit with Facility code, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit, Clock & Data and Wiegand Card + PIN |
| ■ Facility Code | Programmable |
| ■ Indications and Sounds | Tri-colored light bar, built-in sounder with selectable LED/sounder control input |

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| ■ Operating Environment | Indoor and outdoor use (all weather) – meets IP65 |
| ■ Operating Temperature Range | -31°C to 63°C (-25°F to 145°F) |
| ■ Operating Humidity Range | 0 to 95% |
| ■ RFI Protection | > 20 V/m up to 1000 MHz |

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| ■ Dimensions (H x W x D) | 125 x 83 x 29.5 mm (4.9 x 3.3 x 1.2 in.) |
| ■ Weight | 230 g (8.1 oz) |
| **SYSTEM COMPONENTS** | The AY-W6350 is 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.

www.rosslaresecurity.com

MIFARE® is a trademark of NXP Semiconductors

**ROSSLARE**
SECURITY PRODUCTS
Experience the Difference