

# AY-T6350

MIFARE Classic® EV1 Contactless  
Smartcard Reader with Backlit Touch Keys



The AT-T6350 reader is a MIFARE Classic® EV1 13.65MHz Smartcard and PIN code reader for access control systems. It features, LED Control, Back Tamper, Capacitive Touch Keys and a new LOGO area that lets OEM order custom logos. AY-T6350 is an advanced model with multi-format outputs for compatibility with wide range of host access controllers. It has a local menu to program facility code as well as Card & PIN credential modes. This fully-potted suitable for all weather use.

## GENERAL DESCRIPTION

The AY-T6350 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-T6350 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/buzzer control input, and tamper status.

## MAIN FEATURES

- Incorporates the MIFARE Classic and MIFARE Ultralight 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
- 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

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	8–16 VDC, from a linear type Power Supply (18 VDC is absolute maximum)
■ Input Current	Standby: 180 mA @ 12 VDC 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
■ Capacitive Touch Keypad	3x4 red backlit keys for PIN codes entry and local programming door bell key ('*') function (with Rosslare controllers and PS only)
■ Built-In Reader	Maximum read range: 70 mm (2.8 in.) Operating frequency: 13.56 MHz Compatible Cards: MIFARE Classic and MIFARE Ultralight cards
■ 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 3-Digit
■ 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)
■ 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)	110 x 80 x 17.5 mm (4.3 x 3.2 x 0.7 in.)
■ Weight	170 g (6 oz)

**SYSTEM COMPONENTS** The AY-T6350 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.

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