

DC-EV1

MIFARE Classic® EV1 Contactless Smartcard Reader



The new DC-EV1 is a MIFARE Classic® EV1 Smartcard Contactless reader with a new, elegant design, 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 will fit most existing system's needs and read the information required. The DC-EV1 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 (2.6 in), it is a very simple, reliable and cost effective way to upgrade your system to Smartcard standard.

GENERAL DESCRIPTION

The affordably priced DC-EV1 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. Backed by Discovery's International Lifetime Warranty, the adaptable DC-EV1 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 Classic EV1) ID Format Protocol
- Read range of up to 6.5 cm (2.6 in.)
- 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

PROFESSIONAL GRADE FEATURES

- Optical tamper sensor for cover and wall tamper detection
- Bi-colored LED and LED control input
- Internal buzzer
- PC software and programming adapter 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 16 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-Bit, 32-Bit, 32-Bit Reversed, 34-Bit, 40-Bit, and Clock & Data.
Built-In Proximity Reader	Maximum read range: 6.5 cm (2.6 in.) Operating frequency: 13.56 MHz Compatible cards: MIFARE Classic EV1 Compatible ISO-14443A
ENVIRONMENTAL SPECIFICATIONS	
Operating Environment	Water resistant , suitable for outdoor use (IP65 rated)
Operating Temperature Range	-31°C to 63°C (-25°F to 145°F)
Outdoor Humidity Range	0% to 95% (non-condensing)
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 DC-EV1 is compatible with a variety of Discovery's controllers as well as with many third-party systems
PRODUCT WARRANTY	
	5-Year Limited Product Warranty