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FALCO SMART CARD/MIFARE PROXIMITY READER

AY-M25



- ✓ Certified for USA - UL294/ULC & FCC CFR 47 Part 15b
- ✓ Certified for EUROPE - CE Mark
- ✓ Wide Range Operating Voltage: 5 to 16V DC
- ✓ Affordable - Read Serial ID Only - Mifare® cards
- ✓ Transmit RF Frequency: 13.56 MHz
- ✓ Internal Buzzer
- ✓ 2-Color LED with good read indication and control input
- ✓ Optical Wall Tamper Detection
- ✓ Protected with epoxy potting for harsh weather (IP68) and improved performance for anti vandalism.
- ✓ Made of Tough Polycarbonate UV Plastic (UL 94)
- ✓ Comes with mounting template for easier installation.

AY-M25 Mifare contactless card ID Only reader functions by reading the Mifare ID Format protocol and 13.56 MHz cards and tags, This model is made with world class environmental functionality, ruggedness, and affordable price; with epoxy waterproofing, 2 Color LED control, optical back tamper and buzzer.

AY-M25 readers have READ SERIAL ID ONLY capability with a Wiegand 26-Bit output format. The readers interface directly to standard access control panels, and read ID-Only by a 13.56 MHz contactless interface for reading a variety of cards and tags with maximum read range of up to 50 mm*.

All the series readers feature an easy mounting with hidden screws (security screws may be used to enhance strength) and a top cover. The Optical tamper adds system information against wall removal, and the Buzzer adds audible RFID card read. LED control can give system based information to the end user.

Overall these five models offer a solution for companies operating on a global directive, and ISO 14443 Type A compatible cards. One for every type of mounting need!

Technical Specification

Model	AY-M25
ELECTRICAL CHARACTERISTICS	
Operating Voltage Range:	5 to 16 VDC from a regulated power supply
Input Current:	Standby: 35 mA @ 12 VDC Max: 100 mA @ 12 VDC
Tamper Output:	Open collector, active low, max. sink current is 30 mA
OPERATIONAL CHARACTERISTICS	
Inputs:	Programmable LED Control / Buzzer control Input, N.O, Dry Contact
Indicators:	Tri-Colored LED indicators
Output Format:	Programmable multi-format: Wiegand 26-bits w/site code, Fixed 26-bits, 32 bits, 32 bits reversed, 34 bits, 40 bits and Clock & Data.
Built-In Proximity Reader:	Max. read range: 55mm (2.16") Operating Frequency: 13.56 MHz Compatible Cards: Mifare ® Compatible ISO-14443A
ENVIRONMENTAL CHARACTERISTICS	
Operating Environment:	Water resistant, suitable for outdoor use (meets IP65)
Operating Temperature:	-31°C to 63°C (-25°F to 145°F)
Operating Humidity:	0% to 95% (Non-Condensing)
MECHANICAL CHARACTERISTICS	
Dimensions: H x W x D	89 x 89 x 15 mm
Weight	110 g (3.9 oz) - TBD

