

# AY-J12

## Proximity Reader



### Overview

The AY-J12 with Wiegand 26-Bit output format reads RFID 125 KHz ASK-type EM cards from a range of up to 120 mm (4.72 in.)\*.

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.

LED control can give system based information to the end user.

The AY-J12 is crafted out of the finest materials and to the highest manufacturing standards.

### Key Features

- Wide range operating voltage: 5 to 16VDC.
- Excellent RFID card read range of up to 120 mm (4.72 in.)
- RF modulation: ASK at 125 kHz
- Internal buzzer
- LED color control input
- Optical wall tamper detection
- Water-resistant with epoxy plotting (IP65) suitable for indoor and outdoor applications.
- Made of tough polycarbonate UV-resistant plastic
- Includes mounting template for easier installation

## AY-J12 Advanced Wiegand 26-Bit RFID Proximity Reader

### Technical Specifications

#### ELECTRICAL CHARACTERISTICS:

- Operating Voltage Range : 5 to 16VDC, from a regulated power supply
- Input Current: Standby : 35mA at 12VDC
- Maximum : 50mA at 12VDC
- Tamper Output : Open collector, active low, max. sink current is 16 mA  
: Optical tamper must be flush to wall surface to work
- Max. Distance to Controller : With proper wiring reader to controller can be 150m (500 ft)
- Inputs : LED control input; N.O. Dry Contact
- LEDs : Two bi-colored LEDs
- Proximity Card Reader : Maximum read range\*: 120mm (4.72 in.)  
: Modulation: ASK at 125 kHz  
: Compatible cards: All 26-Bit EM Cards

#### ENVIRONMENTAL CHARACTERISTICS

- Operating Temperature : -31°C to 63°C (-25°F to 145°F)
- Operating Humidity : 0 to 95% (non-condensing)
- Operating Environment : Suitable for outdoor use (IP 65 rated)

#### PHYSICAL CHARACTERISTICS

- Dimensions : 120mm L x 42mm W x 15mm D (4.72 in. x 1.65 in. x 0.59 in.)
- Weight : 83 g (0.18 lbs)