

Multi-Format Proximity Card Reader

1. Introduction

It is an ABS Wiegand output proximity reader compatible with any Wiegand input controller.

It supports to read 125KHz EM, HID, AWID cards.

The reader is fully potted, and can function at extreme temperatures (-40°C~60°C), which allows it capable to be mounted either indoor or outdoor.

Two versions optional:

Version 1: EM + HID

Version 2: EM + HID + AWID

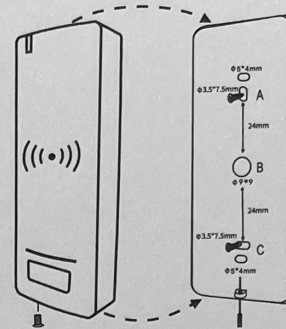
(Please use the appropriate card according to your device version)

2. Specifications

Frequency	125KHz
Card Type	EM, HID, AWID
Operation Voltage	9~24V DC
Standby Current	≤25mA
Read Range	Up to 2.8 inches (7cm)
Output Format	26 bits Wiegand
Operating Temperature	-40°C~60°C (-40°F~140°F)
Operating Humidity	10% to 95% RH
Color	Black
Index of Protection	IP 66
Dimension	L120 x W50 x H20 (mm)
Net Weight	120g
Shipment Weight	180g

3. Installation

- Drill 2 holes (A, C) on the wall for the screws and one hole for the cable
- Knock the rubber bungs to the holes (A, C)
- Fix the back cover on the wall with 2 screws
- Thread the cable though the cable hole (B)
- Attach the unit to the back cover

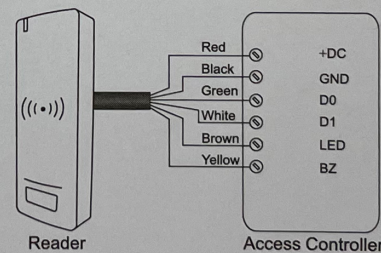


Wiring

Color	Function	Notes
Red	Power	+DC (9-24V DC)
Black	GND	Ground
Green	D0	Data 0
White	D1	Data 1
Brown	LED	Green LED Light Control
Yellow	Buzzer	Buzzer Control

(Remarks: Brown and Yellow wires are optional connections)

Connection Diagram



4. Functions Table Sheet

Read Card	The LED light will turn into Green, and the buzzer sounds a beep, at the meantime, the reader outputs the Wiegand signal
External LED Control	When the input voltage for LED is low, the LED will turn into Green
External Buzzer Control	When the input voltage for Buzzer is low, the Buzzer will sounds
Wiegand Data Output	Wiegand 26 bits

Packing List

Name	Quantity
Reader	1
Manual	1
Screw Driver	1
Wall Fixing Plugs	2
Self Tapping Screws	2