



# ARD-AYZ12 - RFID Long Range Reader



- ▶ Long range reader
- ▶ Reader with beeper and multicolored LED display
- ▶ Wiegand output for EM
- ▶ Weather and vandal resistant

## Installation/Configuration Notes

The ARD-AYZ12 is supplied with an 18 inch (45 cm) pigtail. The table below shows how to wire the reader to the controller.

COLOR	WIEGAND OUTPUT
Red	DC + Input
Black	Ground
White	Data 1
Green	Data 0
Brown	LED Control
Purple	Tamper

**Note** When using a separate power supply for the reader, this supply and the cable shield wire on the reader should be attached to an earth ground (best) or signal ground connection at the panel or power supply end of the cable.

## Technical Specifications

### Electrical Characteristics

Power supply type	Linear type recommended
Operating voltage range	10 – 16 VDC
Maximum input current	Standby: 280 mA Read: 330 mA
Tamper output	Open collector, active low, max. sink current 30 mA
RF modulation	ASK

### Ranges

Max. cable distance to controller	500 ft. (150 m)
Operating temperature range	-22°F to 145 °F (-30 °C to 63 °C)
Operating humidity	0 to 95% (non condensing)
Environment class	IP 54
Read range *	23.6 inch (60 cm)
Dimensions (H x W x D)	11.81 x 11.81 x 1.0 inch (300 x 300 x 25.4 mm)
Weight	2.35 Lbs (1066 g)

\* The reading range depends on card type, electrical environment, and/or proximity to metal.

## Ordering Information

### ARD-AYZ12 - RFID Long Range Reader

Long range reader (23.6 inch/ 60 cm) with 26-bit Wiegand output for 125 kHz card technology.

### ARD-AYZ12

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