MR-1824™ and MR-1824MC™
Sentinel-Prox™
Medium Range Reader

AWID's Sentinel-Prox Medium-Range Reader MR-1824 is a mid-range proximity reader at an economical price. With an industry best read range of 18 to 24 inches, it eliminates the need to get the card close to the reader, and no more misreads or fumbling. It delivers exceptional value without compromise on quality, durability, and performance for both indoor and outdoor applications.

The MR-1824MC is a Metal Compensated version of MR-1824 to allow flexible mounting applications to metal surfaces by adhering four ferrite plates (4x4x0.25 in and 8 oz each) to the back of MR-1824.

The MR-1824 reader is a fully featured Wiegand and RS-232 compatible reader with an LED and Annunciator for both small and large volume OEM and Dealer installations. It is designed to mount on the surface of an interior or exterior wall.

The MR-1824's attractive enclosure comes in dark gray. Its electronics and antenna are potted in UL-approved epoxy resin potting compound to seal them against adverse environmental conditions. It is manufactured in an ISO 9000 certified facility providing for the highest quality standard.

When a valid card/tag is presented within the reader's field, the reader's LED momentarily turns AMBER and beeper sounds to indicate that a data transmission took place. If the card/tag stays within the reader's field, the LED will blink RED/GREEN to indicate that the reader is functioning properly.
The reader has a re-present mode in which the card must be taken from the reader field before being read again. This feature eliminates multiple reads from a single card presentation.
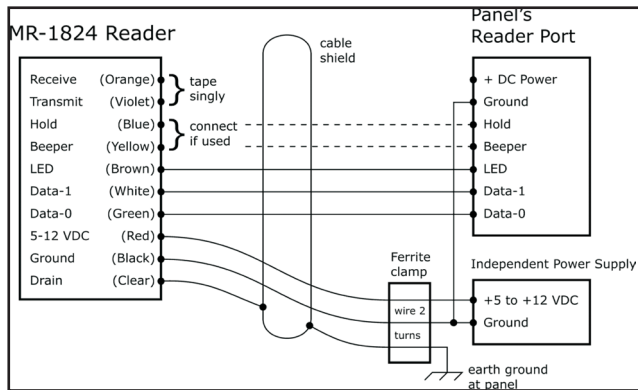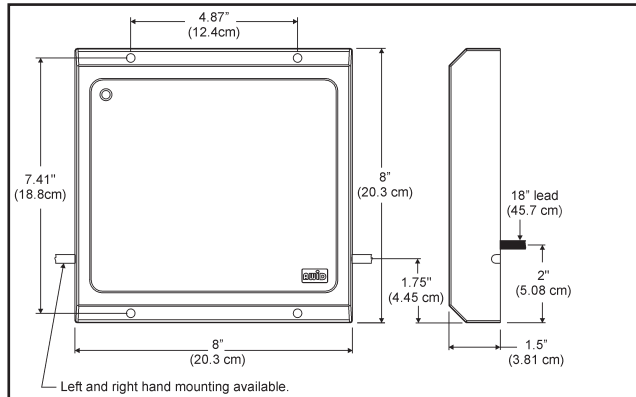
Features

- Read range of 18 to 24 inches

- Metal compensation available for mounting on metal surfaces

- Electronics potted with epoxy compound for demanding environmental applications

- LED for visual feedback, Piezo beeper for audio feedback

- Compatible with all Wiegand access control systems

- Industry standard Wiegand (26 to 50 bit) output and RS-232 interface

- Attractive high-tech enclosure with dark gray

Benefits

- Medium read range for parking lot access and other access control applications requiring mid-range read

- MR-1824MC is ideal for applications requiring mounting on metal surfaces

- Reader electronics protected against application elements to assure long reader life

- Visual and Audible indicators providing dependable user feedback and guidance for quick and easy installation

- Wiegand output allows use of multiple control panels allowing stocking of one reader for all applications and credential requirements

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Left and right hand mounting available.

Credential Options

- CS – Standard Clamshell Style Prox Badge, Credit Card Size with Beveled Edges, Pre-Punched in Portrait Orientation, Accepts Photo-Flap and Self-Adhesive Badge Overlays. 18-24in Read Ranges.

- GR – Graphics Quality Prox Card, ISO Compliant Thickness for Badging Graphics Quality, Both Sides Printable. Portrait or Landscape Punch Capability. Available with Magnetic Stripe (GRMAG). 18-24in Read Ranges.

- KT – Stylish Prox KeyTag. Designed to Fit on Key ring/chain. Tear Drop Design for comfortable holding. ABS Construction for High-Endurance. 15-20in Read Ranges.

- PW – One inch Diameter Disc Prox Wafer. Transform any Credential (Laminated ID badge, Magnetic Stripe Card, Bar Coded ID Card, Swipe Card, Barium Ferrite Card, Drivers License, etc) into an AWID compatible Prox Card instantly. Eliminate the Expense and Hassles of Re-Badging your Employees.

Specifications

PERFORMANCE CHARACTERISTICS

Read Range:
18-24 inch (46- 61 cm)
Transmitting Frequency:
125 kHz
Voltage:
5-12V DC
Current:
250-600 mA
Audio alarm:
4 kHz burst
Communication protocol:
Wiegand, with interface length up to 500 ft and RS-232
Data Format:
Configurable 26 bit to 50 bit (determined by code in credentials)
Cable to Controller (Wiegand interface):
5 conductors stranded #22AWG, color-coded insulation, overall 100% shield

PHYSICAL CHARACTERISTICS

Dimensions:
8x8x1.5 inch (20.3x20.3x3.81 cm) for MR-1824;
8x8x1.75 inch (20.3x20.3x4.44 cm) for MR-1824MC
Weight:
25 oz (709 g) for MR-1824; 57 oz (1,617 g) for MR-1824MC
Color:
Dark Gray

ENVIRONMENTAL

Operating Temperature:
-31F° to 150°F (-35 °C to 65 °C)
Operating Humidity:
0-95% non-condensing
Regulatory:
FCC Part 15
Industry Canada
UL Listed