



The Access Platforms MR10 and MR20 provide a reader interface for low power, multi-track, multi-format, ruggedized, indoor/outdoor, high performance access control. Both units are capable of supporting variable bit patterns in Wiegand or clock and data, making them compatible with a wide range of access control panels. Both also feature bi-color visual indicators and variable annunciation. With attractive die cast metal housing, both units are suitable for a broad range of environments.

The MR10 reader offers a basic magnetic card stripe interface, accepting low or high-coercivity magnetic stripe cards with standard track 2 encoding. Track1 and track 3 versions are also available. Suitable for any setting, the MR20 differs from the MR10 in that it incorporates a 12-position membrane keypad. All signal lines are protected from Electrostatic Discharge (ESD). The nominal distance between the reader and the controller is 500 feet.

Application Notes

While Mercury controllers empower OEMs to configure systems that deploy a range of access technologies, our field-proven card readers and keypad interfaces simplify their sourcing of additional hardware components. Essential, flexible components, the MR10 and MR20 are distributor and OEM-ready readers built to provide years of reliable service in the most demanding applications.

Benefits

- Field-proven reliability in even harshest environments
- Compatible with practically any access control panel

Features

- Bi-color LED and annunciation
- Ruggedized metal housing
- Multi-track reading
- Multi-format programmability
- Static discharge protection
- Self Test
- 2 Year Warranty
- UL 294 listed

Proven Platforms for the FutureReliable. Proven. Innovative Access Control.



TECHNICAL SPECIFICATIONS

MR10/MR20

Technical Specifications

Card:

75 BPI, Aiken Encoding:

Biphase (2F2)

Read Speed: 3 to 50 inches per second Annunciators:

LEDs: Upper: red

Lower: green LED control Single

line Buzzer

Mechanical:

Case: aluminum alloy

gray or black powder coat Finish: Dimensions: $1.95''W \times 1.30''H \times 5.50''L$

[50mm x 33mm x 140mm]

Weight: 10 oz [285g], nominal Mounting: one security screw Connection: 6 conductor cable

w/connector

Electrical:

+5 Vdc or +12 Vdc Voltage: Current: 20 milliamperes typical Wiring: 500 ft. (150m) maximum Data Output: data 1/data 0 (Wiegand

pulses), or clock and data

(magnetic)

Keypad interface:

Layout: 12-position, membrane type

Feedback: Audio and visual Data Interface:

Multiplexed on data pins

Environmental:

Operating Temperature: -40°C to +75°C

Humidity:

95% (weatherized option) 100%

Standards: UL 294 Listed, CE compliant, RoHS

Optional Accessories:

WS-10 Weather shield WP-10 Single-gang Wall-plate WP-20 Double-gang Wall-plate



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