The **Access Platform MR5** is a high-performance magnetic stripe card reader for OEMs that provides a low cost, low power, multi-track, rugged device for indoor or outdoor applications.

The Mercury MR5 is capable of supporting popular Wiegand, clock and data signals with bi-color visual indicators and variable annunciation. A red/green bi-color LED and a beeper are standard and use traditional TLL voltage level. The LEDs may be operated in one-wire or two-wire mode. The card reader accepts low- or high-coercivity magnetic stripe cards with Track 2 encoding. Track 1 and Track 3 versions are also available.

The MR5's attractive die cast metal housing is first treated with an anti-corrosion film and then coated with a touch abrasion-resistant finish. The reader is mounted with all stainless steel hardware, making it a rugged device with a wide environmental operating range – suitable for nearly any setting. The nominal distance between the MR5 and the controller is 500 feet.

Application Note

Mercury's field-proven card readers and keypad interfaces simplify OEM sourcing of additional hardware components. The MR5 is an essential, reliable element in access control system design. Connecting to Mercury's controller lines, the MR5 provides a proven, seamless door control capable of executing the commands, controls and rich features inherent in our controllers. Highly adaptable, the MR5 is suitable for systems of any size and in nearly any environment.

Benefits

- Field-proven reliability in even harshest environments
- Easily configures to systems large or small

Features

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

Proven Platforms for the Future
Reliable. Proven. Innovative Access Control.

Technical Specifications

Card:

Encoding:	75 BPI, Aiken Biphase (2F2)
Read Speed	3 to 50 inches per second

Mechanical:

Case:	aluminum alloy
Finish:	warm gray, textured powder coat

Dimensions:

1.95"W x 1.30"H x 5.50"L
[50mm x 33mm x 140mm]

Weight:

10 oz [285g], nominal

Mounting:

One security screw

Connection:

6 conductor cable w. connector

Electrical:

Voltage:	+5 Vdc or +12 Vdc
Current:	20 milliamperes typical
Data Output:	data 1/data 0 (Wiegand pulses), or clock and data (magnetic)

Annunciators:

One bi-color
LED: red/green
Buzzer

Operating Temperature:

-40°C to +75°C

Humidity: 100%

Standards:

UL 294 Listed, CE compliant, Ro