

ATMR-3 Magnetic Strip Reader



The ATMR-3 is a low profile magnetic stripe card reader for all types of access control installation. Constructed in brushed stainless steel this unit combines simple elegance with a high degree of durability and ease of operation. Good all round access for installation and maintenance is provided by removing the one piece lid. The slim design allows the unit to be mounted directly onto door mullions and into many other confined spaces.

Diagnostics

On reader power-up, the RDA/DATA, RDB/CLOCK outputs are then held low for 1 second and 0.2 second respectively for easy connection verification. Reader operation is then started.

LED & Buzzer Functions

Clear status information is provided by the two LED indicators and the internal buzzer controlled by the host system. A built-in 3 second timer allows the buzzer to be used with "Free Access Doors" – thus providing a quiet environment even when the door is permanently unlocked.

Features & Benefits

- Stylish and slim line appearance
- Brushed Stainless Steel case
- Internal and external usage
- Clock and data output
- Low power consumption
- Internal buzzer timer
- Twin LED status display
- Wide read speed range

Easily Interfaced

The novel open collector Clock and Data output interfaces with most existing magnetic stripe access control and POS systems whilst allowing the use of long card reader cables when needed. The card programming determines the output format.

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Technical Information	
Card Type	Magnetic strip track 2 ABA 75 BPI F2F encoding with high or low coercivity (300 – 3900 one)
Dimensions	109mm (H) x 45mm (W) x 30mm (D)
Material	Brushed Stainless Steel
Power Supply	4 – 5.5 VDC at 12mA (Allows operation from 5V source such as USN / Dongle etc.)
Operating Humidity	0 -95% relative humidity non-condensing 0 - 50°C
Typical Read Speed	ISO card track 2 – 10cm/sec min (3.39ms/bit) ISO card track 2 – 150 cm/sec max (226ms/bit)
Termination	Internal 5 way barrier strip connector
Interface Signals	Input signal – IND (LED's and Sounder) Input levels – Vil = 1.0V max – Vih = 2.0 - 5.0V Internal pull-up resistor = 47kΩ Output signal (open collector) – RDA (data), RDB (clock) Output levels – Voh = 5.0V – 0.8V max Internal pull-up resistor = 10kΩ on both signals
Status Indicator	READY LED (red) reader active ENTER LED (green) access granted Internal Sounder 3 seconds maximum
Cable Distance	300 metres with Belden 9535 or equivalent
Weight	222gm
Colour	Brushed Stainless Steel

New Electronics

High levels of reliability and low power consumption are ensured by the new second generation circuitry with its enhanced read electronics allowing a very wide range of card swipe speeds to be used for improved performance with inexperienced users. This circuit board is deep conformably coated to provide excellent protection against moisture ingress.

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