

Versatile Magnetic Stripe Swipe Reader

Smart Mag J

for reading
magstripes into
virtually any
type of system



The Smart Mag J is a versatile magnetic stripe reader, available in many different interfaces for connecting to a variety of systems. Features and options include multiple tracks, a good read beep, programmable LEDs, alphanumeric display, relay, sense inputs, programmable magstripe masking, networking and weatherproofing for outdoor use. Available interfaces include PC wedge (keyboard emulation), RS232, RS422, TCP/IP, DTMF, wiegand, wand emulation and USB. The Smart Mag J is a versatile solution for almost any system which requires magnetic stripe swipe reading.

- 1 or 2 tracks
- Programmable magstripe masking
- Addressable (networked) using RS422 or TCP/IP
- Bidirectional reading
- Custom configurations available
- POE w/EZPower


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Smart Mag J Specifications

Magnetic Stripe

Tracks 1, 2 or 3
(high or low density,
high or low coercivity)

Magnetic Stripe Direction

Bi-directional

Interfaces

See below

Slot Width

0.050" (1.27 mm)

Indicators

2 programmable LEDs (optional)

Weight

6 ounces

Temperature

-40° to +85°C standard

Material

Black polycarbonate

Dimensions

4.6"L x 2.4"W x 1.4"H
(11.68 cm L x 6.10 cm W x 3.56 cm H)

Power Consumption*

5V 100mA typical 200 max.
12V 50mA typical 100 max.
24V 30mA typical 60 max.

Standard Wiring

3 ft. (91.5 cm) cable, flying leads or
connectors, depending on interface

Sense Inputs

2 TTL sense inputs (optional)

Relay/Trigger Output

30VDC 500mA relay (optional)
5VDC TTL trigger output (optional)

Displays

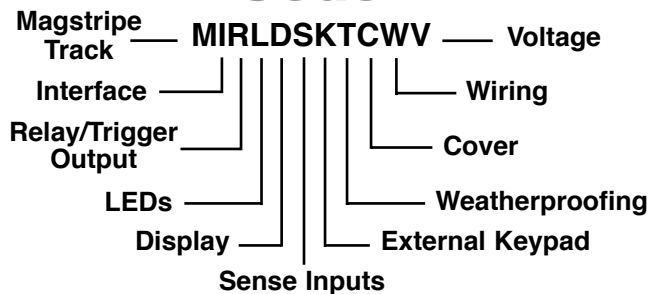
8 character alpha display (optional)

* Maximum power consumption does not include alphanumeric displays. 5VDC readers have a voltage tolerance of +/-5%. 12VDC readers may be operated from 8VDC - 15VDC. 24VDC readers may be operated from 15VDC - 30VDC.

How To Order

Order Smart Mag J with a code to indicate options required.

Code



Example

Smart Mag J-2S0L000W6R5=

Smart Mag J with track 2 only, RS232 output, both LEDs, weatherproofed for outdoor use, #6 mounting backplate, rear wire exit, 5VDC supply.

Options Available

Magstripe Track

Track 2 – 2
Tracks 1 & 2 – 1
Tracks 2 & 3 – 3

Interface

RS232 – S¹
RS232 Wedge – A
TCP/IP – C
TTL ASCII – T
INV TTL ASCII – I
Magstripe Emulation – M²
Wand Emulation – W²
RS422 – 2¹
PC Wedge XT/AT – P
PC Wedge PS2 – 1
Wiegand – G²
VT320 Wedge – V
DTMF – D
USB – U

Relay/Trigger Output

No relay – 0
Relay – R
Trigger output – T

LEDs

No LEDs – 0
LEDs – L
Red LED – R
Green LED – G

Display

No display – 0
Alphanumeric display – A

Sense Inputs

No sense inputs – 0
Sense inputs – S

External Keypad

No external keypad – 0
Ext. keypad support – K

Weatherproofing

No weatherproofing – 0
Weatherproofing – W

Cover

#6 – 6
3mm – M

Wiring

Rear – R
Side – S
6-pin rear mod. jack – 6

Voltage

5VDC – 5
12VDC – 2
24VDC – 4
P – POE

¹ Serial units may be reprogrammed for network/protocol mode.

² Units may be specially ordered to support all three emulation modes.

