

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, DTMF, wiegand, and wand emulation. 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
- Bidirectional reading
- Custom configurations available

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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

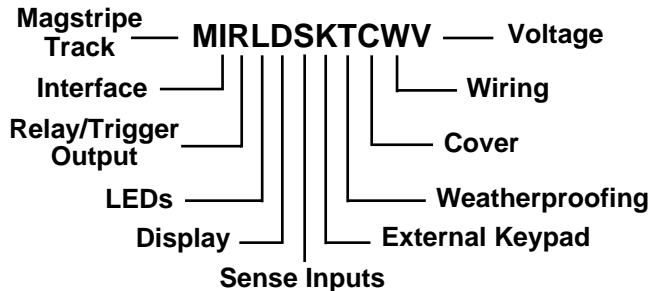
8 character alpha display (optional)

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

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

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

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