

# Stand Alone Magnetic Stripe Reader

Smart  
Mag SA

for stand alone  
access control

  
International Bar Code



The Smart Mag SA is a stand alone access control reader with internal memory and an internal time clock. It is available as a fixed mount or portable reader. The fixed mount reader contains an internal relay which is used for door control. The portable version is meant for use at monitored stations, such as guard shacks, and uses LEDs to signal access granted or denied. Access is controlled by validation of badge numbers stored in the internal memory of the reader. Valid numbers can be downloaded into the reader from a PC or scanned into the reader by hand.

- 1 or 2 tracks
- Programmable masking
- Addressable (networked) using RS422 or TCP/IP
- Bidirectional reading
- Supports scheduling (time/day access restrictions)
- Portable version available
- POE w/EZPower

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# Smart Mag SA 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

## Memory

64K standard  
256K optional

## Temperature

-40° to +85°C standard

## Weight

7 ounces (198.5 grams)

## 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\*

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

## Relay

1 amp, 35VDC; 1 common  
lead, 1 lead normally closed,  
1 lead normally open

## Standard Wiring

3 ft. (91.5 cm) cable with flying leads  
for data and power, 3 ft. cable for relay

## 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 SA with a code to indicate options required.

## Code



## Example

### Smart Mag SA-2210WMS5=

Smart Mag SA with Magstripe track 2 only, RS422/485 interface, 64K memory, no display, weatherproofing, 3mm screw size mtg. back cover, side wire exit and 5VDC supply.

## Options Available

### Magstripe

Track 2 - 2  
Tracks 1 & 2 - 1  
Tracks 2 & 3 - 3

### Interface

RS232 - S  
RS422/485 - 2  
TCP/IP - C

### Memory

64K - 1  
256K - 5

### Display

No display - 0  
Alphanumeric display - A

### Weatherproofing

No weatherproofing - 0  
Weatherproofing - W

### Cover

#6 - 6  
3mm - M

### Wire Exit

Rear - R  
Side - S  
Internal battery (portable) - I  
Side internal jacks (portable) - J  
Internal battery/external AC - A  
Read exit w/side headset jack\* - 4

### Voltage

5VDC - 5  
12VDC - 2  
24VDC - 4  
P - POE

\* 4 position side headset jack available for communications on fixed mount units only. Power and relay wiring remains in the rear.



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