

# **Stand Alone Barcode and Magnetic Stripe Reader**

## **Magbar SA**

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**for stand alone  
access control**

  
International Bar Code



The Magbar 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.

- Visible or infrared optics
- 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

**160 Oak Street  
Glastonbury, CT 06033 USA  
Tel: (860) 659-9660  
Fax: (860) 657-3860  
email: [info@interbar.com](mailto:info@interbar.com)  
<http://interbar.com>**

# Magbar SA Specifications

**Bar Code Scanning Speed**  
3"-30" per second  
(7.62 cm - 76.2 cm/second)

**Scanning Direction**  
Bi-directional

**Symbologies**  
Code 39, 12 of 5, 2 of 5,  
Code 128, Codabar,  
EAN 13, UPCA

**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)

**Good Read Beep**  
Programmable

**Indicators**  
2 programmable LEDs

**Read Height**  
0.4" standard (1.02 cm)  
0.465" optional (1.19 cm)

**Memory**  
64K standard  
256K optional

**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)

**Temperature**  
-40° to +85°C standard

**Weight**  
7 ounces (198.5 grams)

**Material**  
Black polycarbonate

**Light Source**  
630nm visible  
940nm infrared

**Power\***  
5V 150mA typical 250 max  
12V 90mA typical 140 max  
24V 45mA typical 75 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

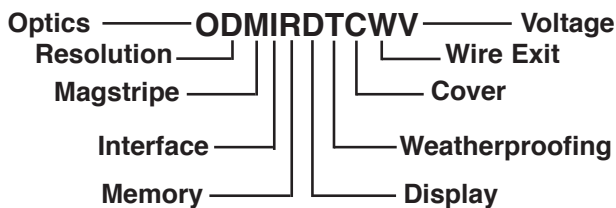
**Displays**  
8 character alpha display  
(optional)

\* 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 Magbar SA with a code to indicate options required.

### Code



### Example

**Magbar SA-IH121A0MS2=**

Magbar SA with infrared optics, high resolution, magstripe tracks 1 and 2, RS422/485 interface, 64K memory, alphanumeric display, no weatherproofing, 3mm screw size mtg. back cover, side wire exit and 12VDC supply.

### Options Available

**Optics**  
Visible – V  
Infrared – I

**Resolution**  
Low – L  
High – H

**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 – 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.