

Stand Alone Barcode and Magnetic Stripe Reader

Magbar SA

**for stand alone
access control**



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**


International Bar Code

160 Oak Street
Glastonbury, CT 06033 USA
Tel: (860) 659-9660
Fax: (860) 657-3860
email: 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, 1 2 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

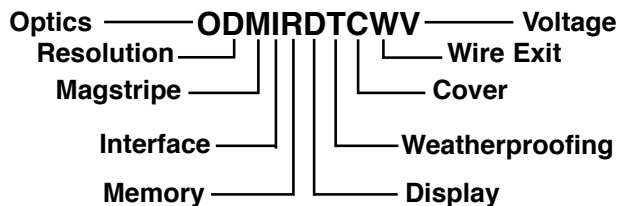
Displays
8 character alpha display
(optional)

* 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



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

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.

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

