

Stand Alone Proximity Reader with Barcode and Magstripe Support

Smart Prox SA

for stand alone
access control


International Bar Code



The Smart Prox 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

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Smart Prox SA Specifications

Bar Code Scanning Speed

3"-30" per second
(7.62 cm - 76.2 cm/second)

Scanning Direction

Bi-directional

Symbologies

Code 39, I 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)

External Proximity Interface

Wiegand
ABA input

Internal Proximity Compatibility

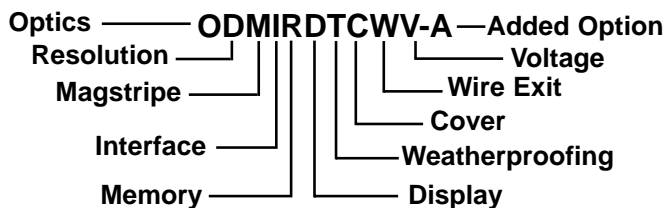
Pyramid (Keri)
Hid

* 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 Prox SA with a code to indicate options required.

Code



Example

Smart Prox SA-IH121A0MS2-E=

Smart Prox 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, 12VDC supply and external interface.

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

Added Option

External Interface - E
Hid Compatible - H
None - Blank

* 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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