

# Stand Alone Proximity Reader with Barcode and Magstripe Support

## Smart Prox STA

for stand alone  
access control  
and time and  
attendance



The Smart Prox STA is a stand alone access control and time and attendance reader with internal memory, an internal time clock and an internal audit trail. 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. The audit trail can be easily uploaded to a PC at any time.

- 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

  
International Bar Code

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# Smart Prox STA Specifications

**Barcode 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

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

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

**Memory**  
128K standard  
512K 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

**External Proximity Interface**  
Wiegand  
ABA input

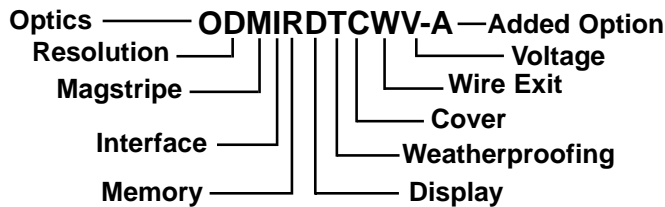
**Internal Proximity Compatibility**  
Pyramid (Keri)  
Hid

\* 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 STA with a code to indicate options required.

### Code



### Example

#### Smart Prox STA-IH121A0MS2-E=

Smart Prox STA with infrared optics, high resolution, magstripe tracks 1 and 2, RS422/485 interface, 128K memory, alphanumeric display, no weatherproofing, 3mm screw size mtg. back cover, side wire exit, 2VDC supply and external interface.

### Options Available

- Optics**  
Visible – V  
Infrared – I
- Resolution**  
Low Resolution – L  
High Resolution – H
- Magstripe**  
Track 2 – 2  
Tracks 1 & 2 – 1  
Tracks 2 & 3 – 3
- Interface**  
RS232 – S  
RS422/485 – 2  
TCP/IP – C
- Memory**  
128K – 1  
512K – 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.

