

Versatile Proximity, Barcode and Magnetic Stripe Reader

Smart Prox J

for multiple
technology
reading



The Smart Prox J is a versatile reader, available with proximity, barcode and magstripe capabilities. With many different interface options, the Smart Prox J can be connected to a variety of systems. Features include an internal or external proximity reader, good read beep, programmable LEDs, relay, sense inputs, networking, character and number reformatting, and weatherproofing for outdoor use. Available interfaces include PC wedge, RS232, RS422, Wiegand, ABA, USB and others. The Smart Prox J is completely compatible with IBC's other J Series products, allowing proximity technology to be added to current J systems without any modifications. The external proximity interface can be used to connect any reader with Wiegand or ABA output, allowing the Smart Prox J to also be used as a data converter.

- Internal proximity reader
- Optional external proximity interface, for connecting any external proximity reader
- Visible or infrared barcode option
- Magstripe reading option
- Programmable masking
- Addressable (networked) using RS422 or TCP/IP
- Custom configurations available


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>

Smart Prox J Specifications

Barcode Scanning Speed

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

Scanning Direction

Bi-directional

Symbologies

Code 39, 2 of 5, I 2 of 5, Code 128, Codabar, EAN13, UPCA

Magnetic Stripe

Tracks 1, 2 or 3
(high or low density,
high or low coercivity)

Magnetic Stripe Direction

Bi-directional

Interfaces

See below

Light Source

630nm visible
940nm infrared

Slot Width

0.060" (1.52 mm)

Good Read Beep

Programmable

Resolution

5 mil (high)
10 mil (low)

Read Height

0.4" standard (1.02 cm)
0.465" optional (1.19 cm)

Indicators

2 programmable LEDs (opt.)

Sense Inputs

2 TTL sense inputs (optional)

Relay/Trigger Output

30VDC 500mA relay (opt.)
5V TTL trigger output (opt.)

Weight

7 ounces

Temperature

-40° to +85°C standard

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)

Material

Black polycarbonate

Power*

5V 160mA typical 250 max
12V 100mA typical 140 max
24V 50mA typical 80 max

Standard Wiring

3 ft. (91.5 cm) cable, flying
leads or connectors,
depending on interface

External Proximity Interface

Wiegand

ABA input

Internal Proximity Compatibility

Pyramid (Keri)

Hid

* 5VDC readers have a voltage tolerance
of +/-5%.

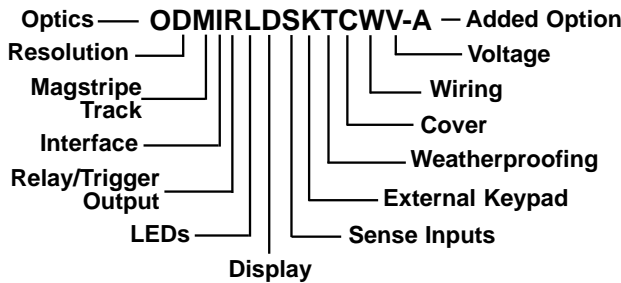
12VDC readers may be operated from
8VDC - 15VDC.

24VDC readers may be operated from
15VDC - 30VDC.

How To Order

Order Smart Prox J with a code to indicate options required.

Code



Options Available

Optics

Visible - V
Infrared - I
None - 0

Resolution

Low - L
High - H
None - 0

Magstripe Track

Track 2 - 2
Track 1 - 1
Track 3 - 3
None - 0

Interface

RS232 - S¹
RS232 Wedge - A
TCP/IP - C
TTL ASCII - T
INV TTL ASCII - I
Magstripe Emulation - M²
Wand Emulation - W²
RS422/485 - 2¹
PC Wedge XT/AT - P
PC Wedge PS2 - 1
Wiegand - G²
VT320 Wedge - V
USB - U

Relay/Trigger Output

No relay - 0
Relay - R
Trigger output - T

LEDs

No LEDs - 0
LEDs - L
Red LED - R
Green LED - G

Display

No display - 0

Sense Inputs

No sense inputs - 0
Sense inputs - S

External Keypad

No external keypad - 0
Ext. keypad support - K

Weatherproofing

No weatherproofing - 0
Weatherproofing - W

Cover

#6 - 6
3mm - M

Wiring

Rear - R
Side - S
6-pin rear mod. jack - 6

Voltage

5VDC - 5
12VDC - 2
24VDC - 4

Added Option

External Interface - E
Hid Compatible - H
None - Blank

¹ Serial units may be
reprogrammed for
network/protocol mode.

² Units may be specially
ordered to support all
three emulation modes.

Example

Smart Prox J-IH2S0L00006R5-E=

Smart Prox J with high resolution infrared optics, track 2 magstripe, RS232 output, both LEDs, no display, #6 mounting backplate, rear wire exit, 5VDC supply and external interface.



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