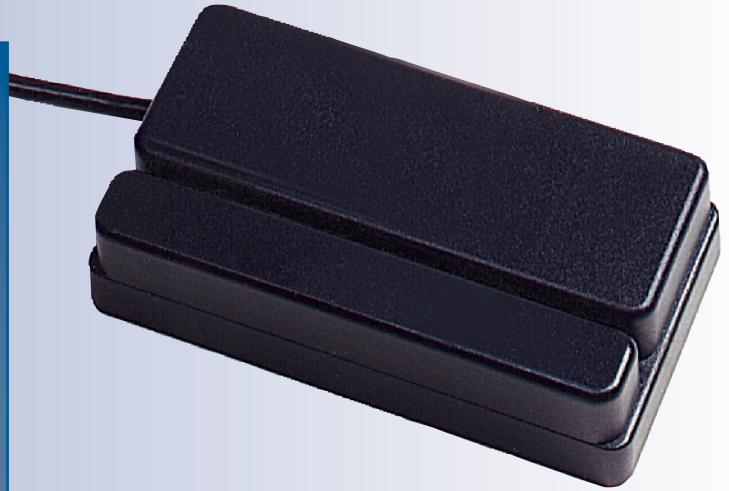


# Versatile Proximity, Barcode and Magnetic Stripe Reader



## Smart Prox J

for multiple  
technology  
reading

  
International Bar Code

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

160 Oak Street  
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<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, 1 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%.

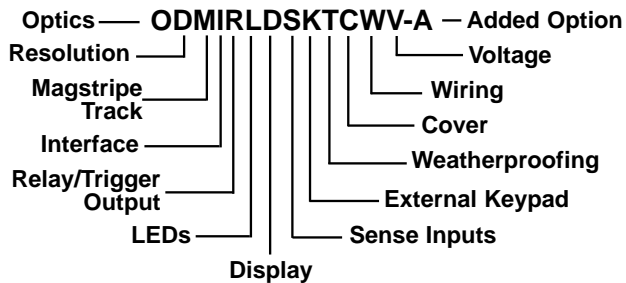
12VDC readers may be operated from  
8VDC - 15VDC.

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 - S<sup>1</sup>  
RS232 Wedge - A  
TCP/IP - C  
TTL ASCII - T  
INV TTL ASCII - I  
Magstripe Emulation - M<sup>2</sup>  
Wand Emulation - W<sup>2</sup>  
RS422/485 - 2<sup>1</sup>  
PC Wedge XT/AT - P  
PC Wedge PS2 - 1  
Wiegand - G<sup>2</sup>  
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

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

<sup>2</sup> 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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