

IRX-1S, IRX-2S, IRXP-1S, IRXP-2S, IRX-1B, IRX-2B, IRXP-1B, IRXP-2B











Part Number(s): IRX-1S. IRX-2S. IRXP-1S. IRXP-2S. IRX-1B. IRX-2B.

IRXP-1B, IRXP-2B

Output: 26 Bit Wiegand or 37 Bit Wiegand Open Format Voltage(s): 5 VDC, +/- 0.1V 20mA 12 VDC, +/- 3.0V 20mA

Temperature: -40° C to +70° C (-40° F to +160° F)

DATA 1 and DATA 0 signals are open collector outputs with 2.2K pull-ups to the internal +5V. The data is sent at 1 msec per bit with a pulse duration of 50 usec. An annunciator beeps with each card read. When the LED control input is pulled low, the GREEN LED will be on and the BLUE LED will be off. When the input goes high the BLUE LED is on and the GREEN LED is off. The LED that is illuminated will blink off with every card read. The LED control input is pulled to the internal +5V with a 2.2K resistor.

The following WIEGAND output is sent each time a card is read:

PSSSSSSNNNNNNNNNNNNNNNN

BIT 12 9 10 25 26

BIT 1 is an even parity for the following 12 bits. The sum of bits 1-13 is even.

BITS 2-9 are the SITE CODE, part of the card data.

BITS 10-25 This is the card number read.

Leading 0's are added as required. Bit 10 is most significant.

BIT 26 is an odd parity over the previous 12 bits. The sum of bits 14-26 is odd.

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The following card formats are supported;

iClass

iClass SE/SR iClass Seos

Mifare Classic 1K/4K & SE

Mifare Mini

Mifare Ultra Light Mifare Desfire

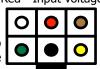
FeliCa **CEPAS**

Plus a number of other formats, contact Essex Electronics for details



Red - Input voltage

White - Data 1, do not apply voltage Green - Data 0, do not apply voltage



Brown - LED control, do not apply voltage Yellow - Audio control, do not apply voltage

Black - Ground

For IRXP models, the following Prox technologies are supported;

HID Prox Indala Prox EM4100 EM4102 EM4200 EM4305 EM4450 FDX-B

T5557 T5567

AWID Prox

iRox Wiring:

+5V or 12V DC Red DC Ground Black White Data 1

Green Data 0

LED Control, floating = BLUE, Brown

grounded = GREEN

Yellow Audio Control, floating = off,

grounded = beep

