



Part Number(s): PRX2-1S, PRX2-2S, PRX2-1B, PRX2-2B

Output: 26 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)

These Readers are selectable for 5 or 12 Volts. There are two pins directly above and to the right of the connector on the back of the reader. A jumper plug is installed on one of the pins. This is the default setting for 12 Volt operations. If you require 5 Volt operations, install the jumper plug on both pins. 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:

P S S S S S S S S S N N N N N N N N N N N N N N N N P
 BIT 1 2 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.

Example: Site Code of 004 and a card number of 123 read 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 1 1 1 0 1 1 1



