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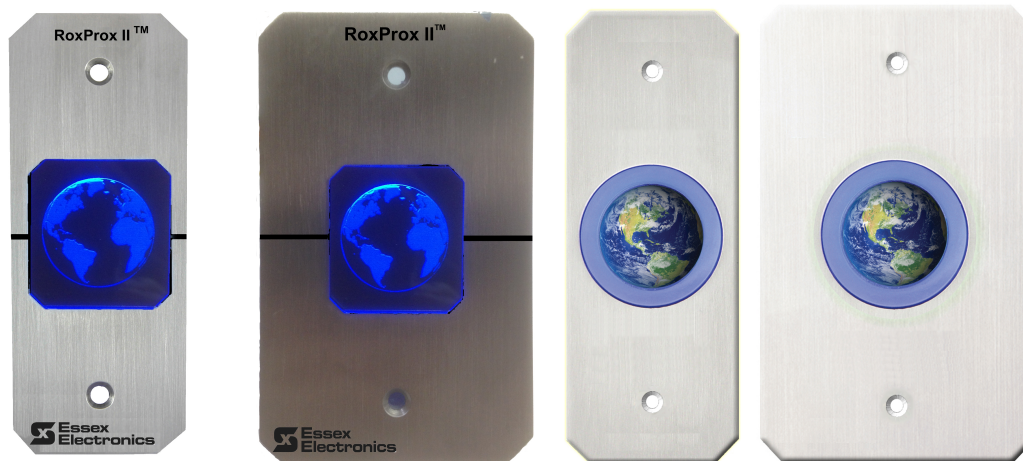
Essex Prox Series Readers

Essex Prox Series Proximity readers; Output: 26 Bit Wiegand Open Format

Voltage(s): 5 VDC, +/- 0.1V 100mA 12 VDC, +/- 3.0V 100mA

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

These Readers are internally selectable for 5 or 12 Volts. There are internal circuits that will automatically switch the device from 5 V operation to 12 V operation when the applied voltage is 12 V. DATA 1 and DATA 0 signals are open collector outputs with 10K resistor 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. The idle LED color that is illuminated will blink off with every card read, and the prox read color will blink on.



Reads select HID Global, & AWID proximity formats.

Wiring:

Red	+5 +/-10% or 12V DC, +/- 20%, auto select
Black	DC Ground
White	Data 1
Green	Data 0
Brown	LED Control, grounded = "Access Granted" illumination, default is green.
Yellow	Audio Control, grounded = continuous beep
Violet	LED control, grounded = "Access Denied" & "Access Granted" illumination to flash at a half second rate.
Orange	LED Control grounded = "Access Denied" color, default is red

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Modification of our product not only voids our warranty, but will also void the authority to operate this product within the limits of FCC part 15 rules.

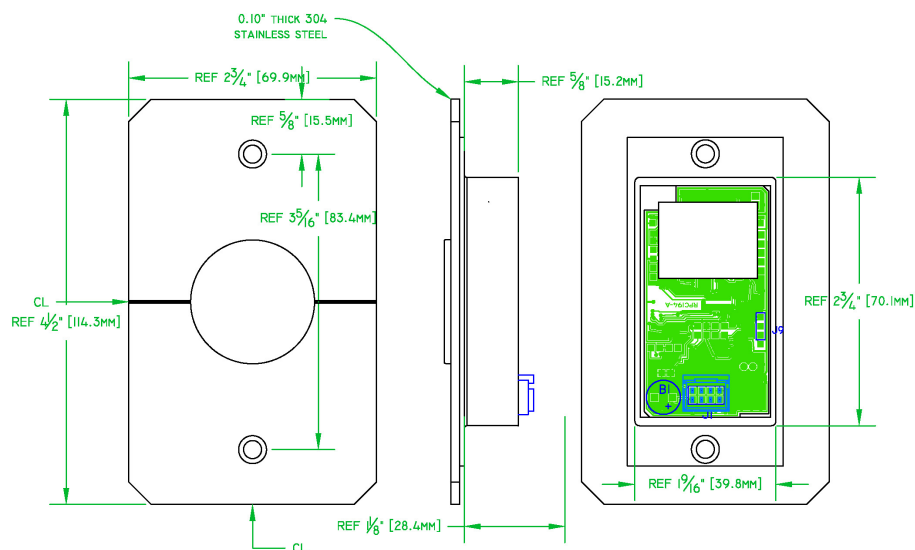


Figure 1 PRX-2 Mounting Template

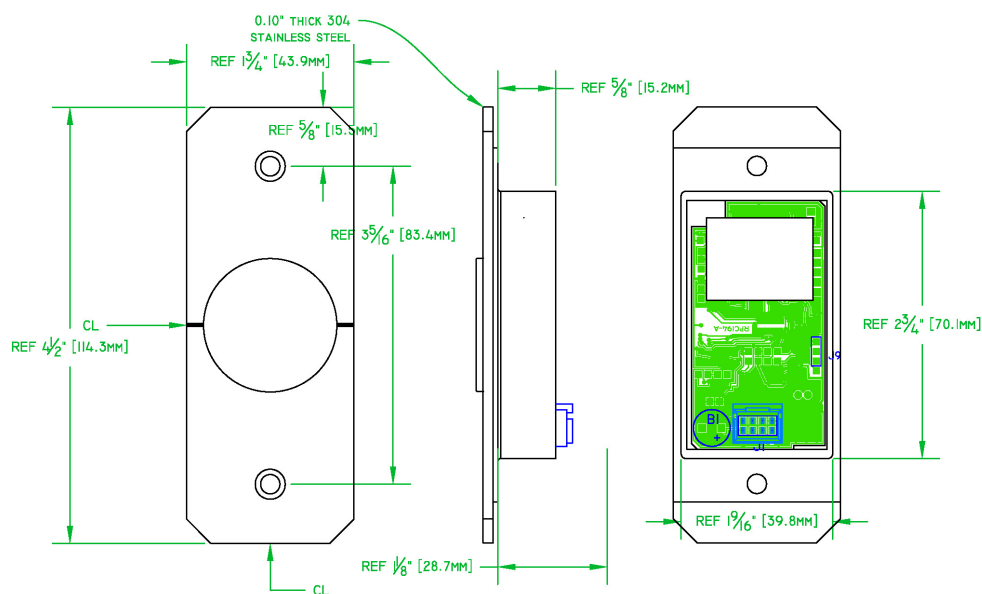


Figure 2 PRX-1 Mounting Template

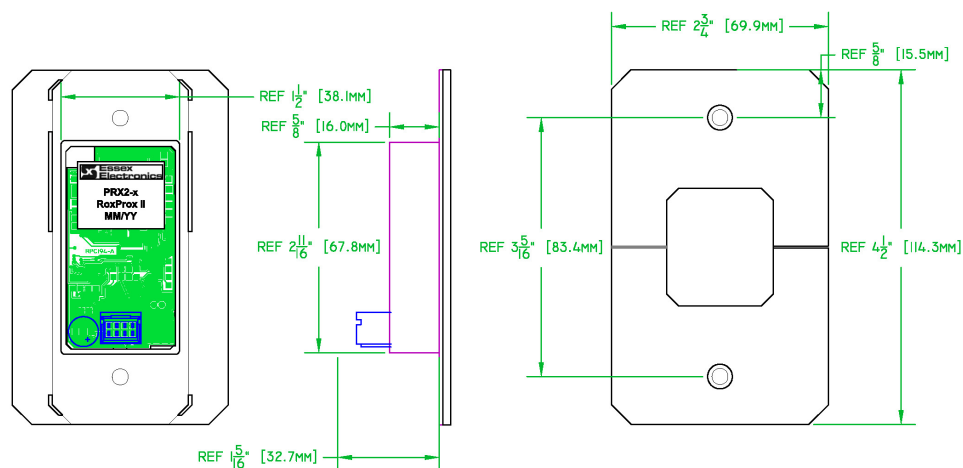


Figure 3 PRX2-2 Mounting Template

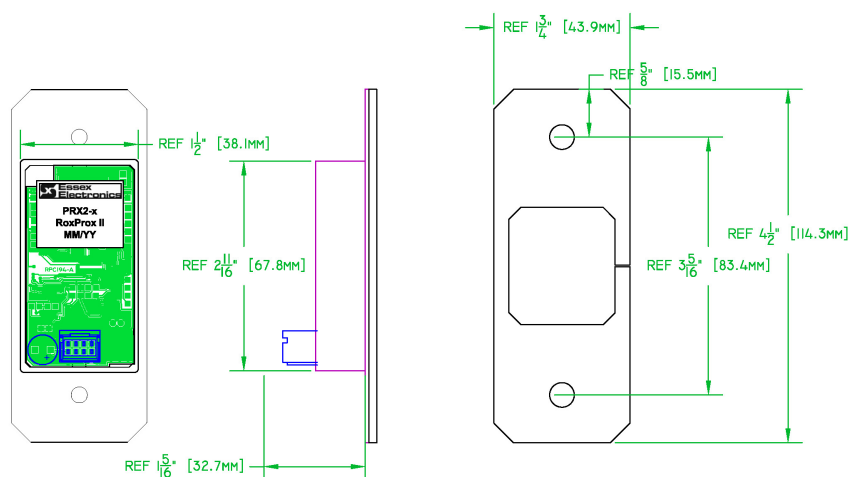


Figure 4 PRX2-1 Mounting Template