

- ❑ 3110-2305 Model 230 Prox/Magstripe Reader, Black
- ❑ 3110-2405 Model 240 Prox/Magstripe Reader, with keypad, Black



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Installation Guide

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Parts List

Card Reader kit consists of:

- 1-Reader assembly
- 1-Installation Kit 2270-0580
 - Two 6-32 x 3/5" Phillips pan head screws
 - Cord, Buna 70, .103 diameter
 - Cover removal tool
 - Six Wire Cable Connector assembly
- 1-Instructions 2280-4587

General

The Model 230/240 Wall Mount Combination Proximity & Magnetic Stripe Card Readers read the following format cards:

- Magnetic Stripe: ABA/ANSI/ISO and EMPI
- Proximity: HID 26-36 bit, EMPI and Proxi 10

The readers are normally wall mounted and designed for indoor or outdoor use.

Proximity cards are placed in front of the reader and normally read at a distance of six inches (15.2 cm) at +5 VDC and seven inches (17.7 cm) at 12.0 VDC. Mounting the readers on metal will typically reduce the distance. The data is transmitted to any host controller that can supply +5 to +24 VDC operating voltage to the reader, and that can accept the standard Wiegand 26-bit or 34-bit format.

Pre-Installation

1. The host controller must supply +5 to +24 VDC operating voltage to the reader. The voltage drop as measured across the reader must be within 5 to 24.0 VDC.
2. The maximum recommended reader distance from the host is:
 - 200 feet with #22 AWG 5 or 6-wire cable
 - 500 feet with #18 AWG 5 or 6-wire cable
 Unshielded wire is acceptable. Some host controllers may require tighter standards.

Mounting

1. The reader is designed to be mounted with the slot facing the floor. The user inserts the card upward into the card insertion slot.
2. The reader can be mounted on a standard single-gang handy box, (the preferred method) or on any firm flat surface. The mounting screws should be firmly tightened, but not excessively. Note that the read head assembly screws are purposely loose to allow the head to "float"; no adjustments are necessary. See Figure 1.

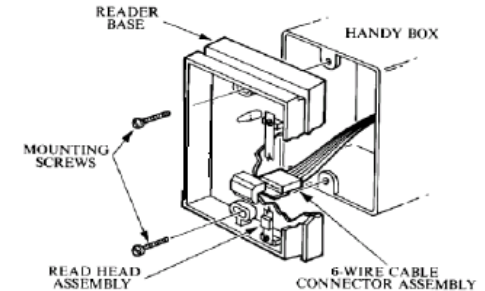


Figure 1

3. For outdoor applications, use a suitable weather-proof back box, or handy box, and install the weather seal (provided) on the back of the readers' base by pushing it securely and evenly into the "U" shaped recess. See Figure 2.

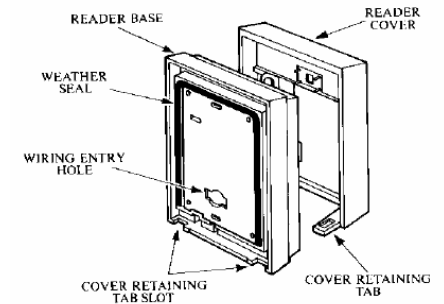


Figure 2

Grasp the lower edge of the reader cover. While applying gentle pressure pull the cover away from the base.

4. Recommended reader mounting height from the floor is "shoulder height" or about 60 inches. A lower height causes significant user inconvenience. Reader height may be lowered to accommodate ADA requirements.