entrex DOOR CONTROLS INC.

ENTREX DOOR CONTROLS INC.

1495 Bonhill Rd., Unit 14,

Mississauga, ON L5T 1M2

Tel: 905-565-1455 Fax: 905-564-3378

#EP-100

CARD READER

QUANTITY = 1

MADE IN CANADA

General Description

The Entrex Mdl. EP-100 is a durable reliable *Exterior* Card Reader, which is activated by *swiping* a magnetic stripe encoded plastic credit card through the slot. The EP-100 detects the encoded track 2 and sends a signal to the ESP-12 (M) which in turn unlocks and/or opens the door.

The ESP-12 also sends a signal back to the EP-100 to turn the LED from Red to Green, confirming correct operation.

This Card Reader, when used with the ESP-12(M), does not determine whether the encoding is correct, nor does it decode the data on the stripe.

Installation

The card reader can be mounted vertically or horizontally, however for exterior use **only vertical mounting is recommended**. The unit is supplied with the locking plate attached. To remove it, use the supplied allen key and loosen the screw until the locking plate can be disengaged from the reader.

Use the locking plate as a template to mark the four mounting holes and the wire access hole. Affix locking plate (ensure the notch is on the bottom) and make wire connections as per chart at right.

Push excess wire back into framing, and attach reader to locking plate as follows:

1. Place reader over the locking plate with the head of allen screw in the notch on bottom end of the reader.

2. Slide the reader into the locking plate, and tighten screw to lock card reader in place.

Proceed with installation of other components, apply power to ESP-12 (M) and confirm proper operation.

NOTE: Mounting on a single gang electrical box is possible by ordering #POL-WP Wall Plate accessory.

Connection Chart

Wire Colour	Function	ESP-12 Terminal
Green	Data 0	7
Black	Ground	8
Red	+5 Volt in	9
Brown	LED	10
White	Data 1	Not used
Blue	Buzzer	Not used
Orange & Yellow	Tamper	Not used

Specifications

Model	EP-100
Material	U.V. protected, Polycarbonate case, sealed for Exterior use.
Dimensions	6 1/4" H x 1 3/4" W x 1 1/2" D
Encoding	Standard Track 2 (ANSI)
Card Speed	2 - 100 ips @75 BPI.
Head Life	Over 1 million reads.
Power Required	5VDC (supplied by ESP-12)
Mounting	Four #6-32 Machine screws
Temperature Rating	-40° C to +65° C
Bi-Colour L.E.D.	Built-in, (also includes buzzer)
Cable Type	4 Conductors, stranded.

Maximum Cable Lengths:

Cable Size	Maximum Distance
24 AWG (No. 5)	100' (30m)
22 AWG (No. 6)	200' (60m)
20 AWG (No. 8)	300' (90m)
18 AWG (No. 10)	500' (150m)

Warranty

Entrex International Ltd. guarantees the EP-100 to be free from manufacturing defects for 24 months from date of sale. If during the first 24 months the EP-100 fails to perform correctly, it may be returned prepaid to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Entrex extends no warranties expressed or implied regarding function, performance or service.

40-DRG00141