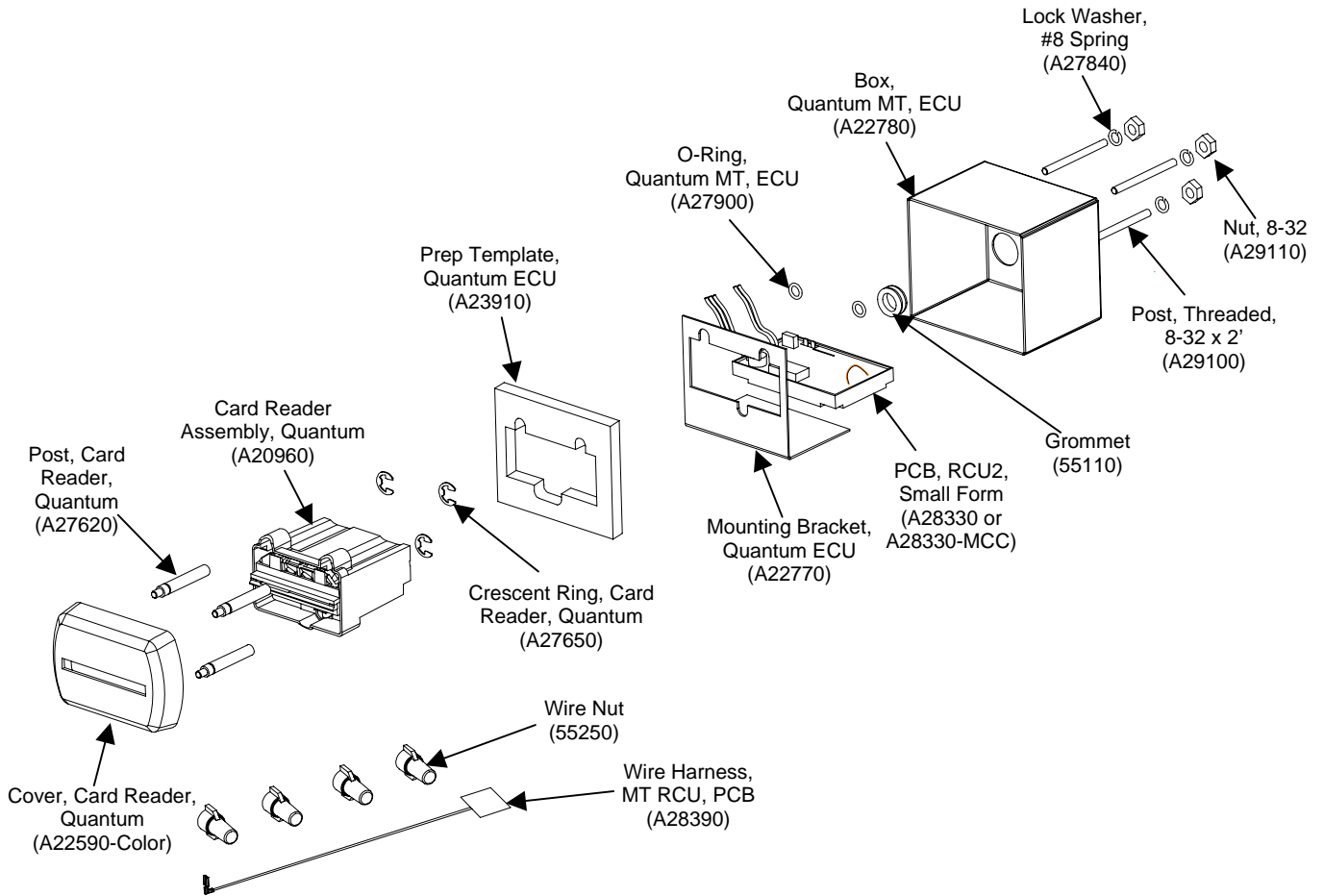




Insertion Card Reader Elevator Control Unit (ECU) Installation Instructions

Please check to make sure all parts are accounted for before beginning installation. Do not substitute any of the parts. The use of substitute parts will result in poor performance of the device.



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Product Description

The SAFLOK elevator control unit (ECU) is a SAFLOK card reader module for the purpose of controlling access to special floors. The ECU can be used to control access to one floor by replacing a single call button. The ECU can also be used to control access to several floors by working in conjunction with call buttons. In the latter case, the keycard is used first, and then a button must be pressed within five seconds to send the elevator to the desired floor.

This unit is mounted in a 1-7/8" x 2-3/4" hole cut in the face of the elevator control panel (see Fig. 1). The mounting hardware adapts to fit a panel thickness of 1/16" to 5/16". A depth of 2-1/8" is required behind the panel for installation.

Guests staying on secured floor(s) receive keycards that have a unique "pass level" encoded on the magnetic stripe. The ECU will be programmed to allow access only to these authorized keycards.

Caution: The elevator control unit must be installed by a certified technician.

Pre-installation Requirements

The area behind the elevator panel must also be adequate for the card reader enclosure that will be mounted to the elevator panel (3-3/8" W x 2-7/8" H x 2-3/4" D).

The elevator control unit (ECU) is powered by a low-voltage source (12-24 volts AC or DC). We recommend a 12- or 16-volt supply if non-regulated. The power supply is not included. **DO NOT EXCEED 24 VOLTS.**

The ECU is equipped with a relay that can be configured either "normally open" or "normally closed." The relay is rated for five amps at 250 VAC or five amps at 30 VDC. Typically, the "normally open" set of contacts should be used so that the contacts in the enclosure act as the contact closure normally present at the button. Review your local fire and electrical codes before installing this product. Be sure to investigate the switching current and voltages present at the existing elevator buttons and determine if the contact rating and configuration of the ECU will be adequate.

Designate an installer who is capable and knowledgeable of the elevator system. All installations must be done in such a way as to be able to commandeer the elevators with an emergency arrangement, overriding or bypassing the ECU. There are many variations in elevator controls and local codes; for this reason, the ECU must be installed by a qualified technician.

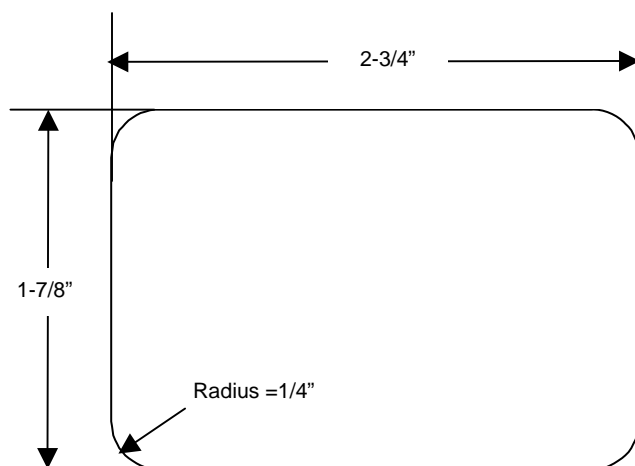


Fig. 1

Installing the Quantum™ ECU

1. Determine the position of the ECU on the face of the elevator control panel. Be sure to allow clearance for the reader enclosure behind the panel (3-3/8" W x 2-7/8" H x 2-3/4" D).
2. Use the template (included) to cut the proper hole in the elevator control panel or use the alternate cutout described in Fig. 1.
3. Slide the card reader assembly into position in the face of the elevator control panel. Slide the mounting bracket over the three posts from inside the panel. Slide two O-rings onto the two upper posts to position the unit while attaching the wires.
4. As illustrated in Fig. 2 below, connect the ribbon cable and the green ground cable to the terminals on the circuit board.
5. Secure the circuit board to the mounting bracket using the wire tie.
6. Run the elevator and power supply wires through the rubber grommet on the back of the card reader enclosure. Make the appropriate connections using the wire nuts (provided). Refer to the schematic diagram on the following page.
7. Slide the enclosure into position with the holes in the back aligned with the threaded posts. Be sure that no wires are pulled or pinched as the reader is slid into position. Secure the reader assembly to the enclosure using the three #8-32 nuts.
8. Program and test the unit. Refer to the System 6000™ Training and Reference Manual.

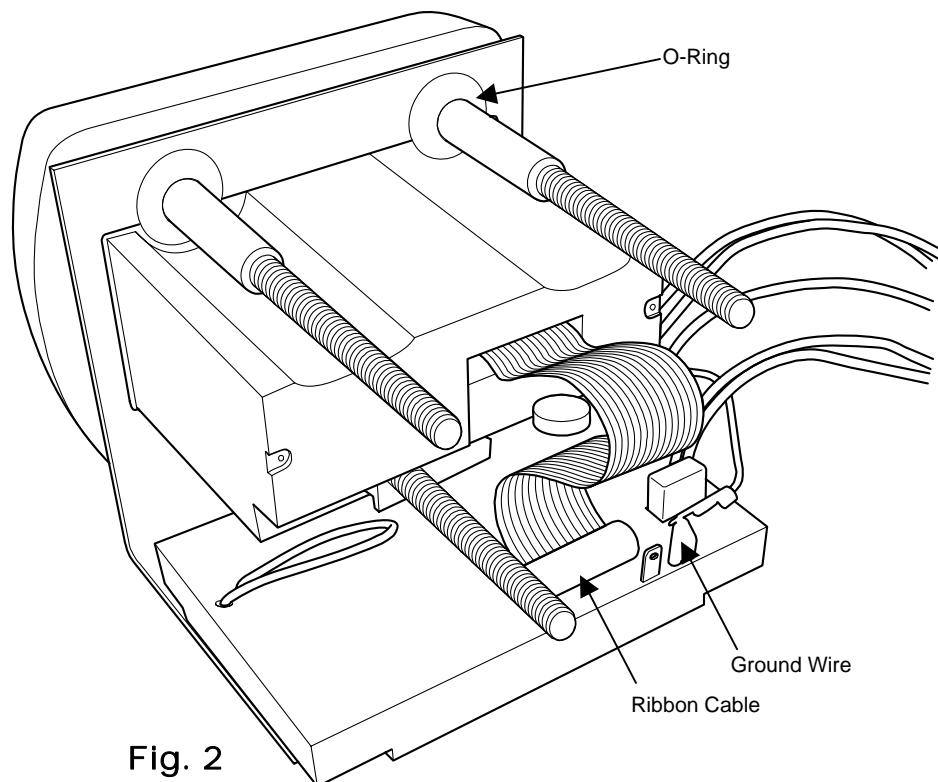


Fig. 2

Schematic Diagram

Power Leads

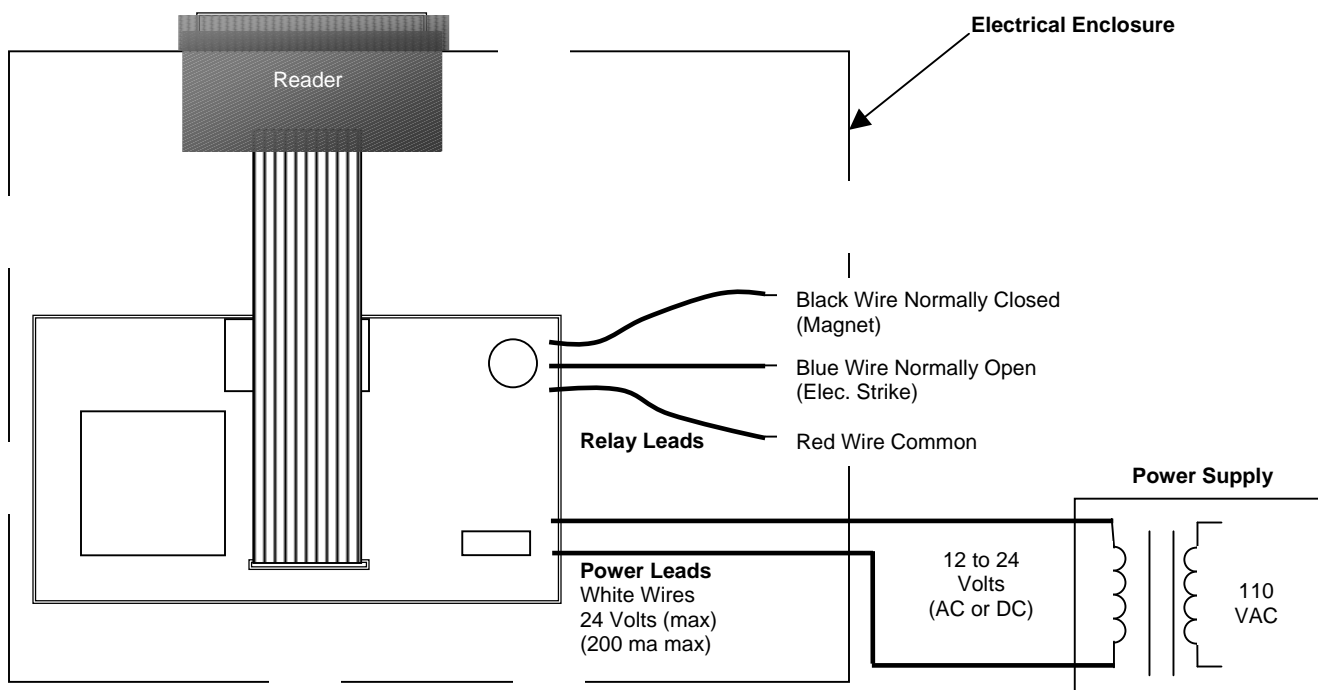
The ECU requires 12-24 volts AC or DC input. Two wire leads (white insulation) are provided for supplying power to the reader. Ensure that voltage going to the reader does not exceed 24 volts. Any 110 VAC power supplies necessary for rectification shall be in separate enclosures and rated properly.

Relay Leads

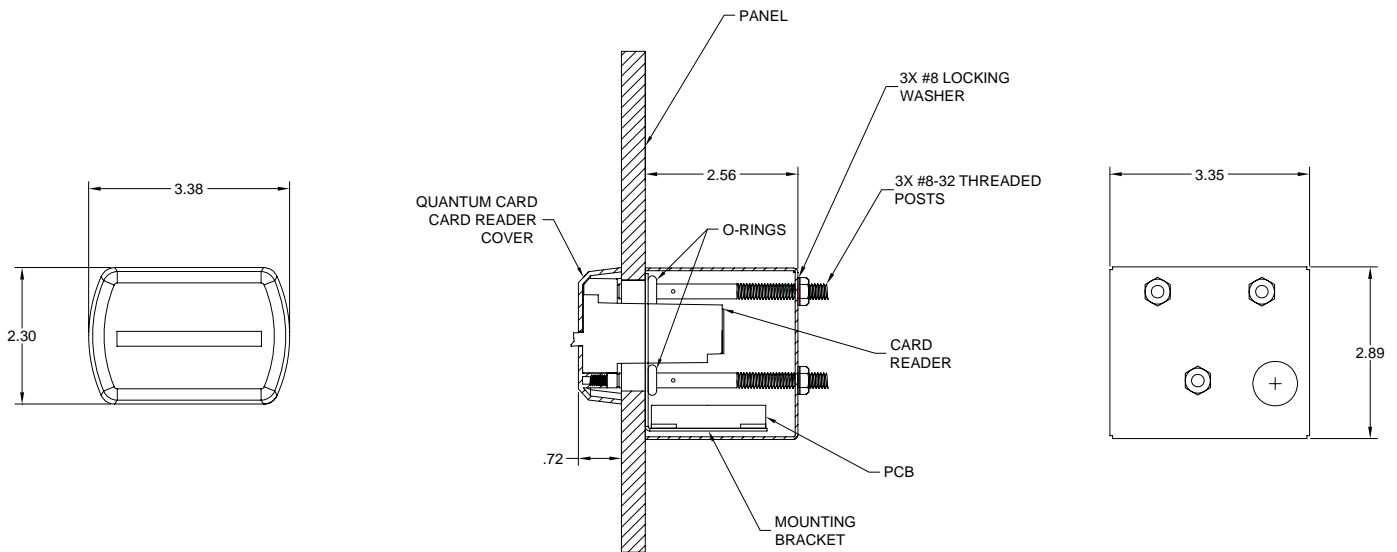
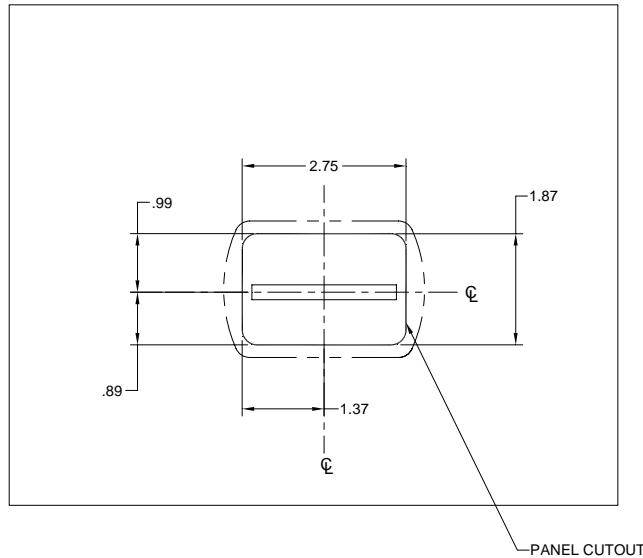
Three wire leads (red, black, and blue) are provided.

- The red lead is common. It is always connected.
- The black lead is normally closed (NC).
- The blue lead is normally open (NO).

Note: The blue lead, or normally open (NO), connection is typically used for elevator connections. Be sure to check the requirements for your particular application.



Elevator Panel Preparation



Questions? Call Customer Service at 800.999.6213 and select option 3.
For online assistance, visit support.saflok.com.



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Manufactured under one or more of the following patents:
U.S.: 4,177,657; 4,411,144; 4,534,194; 4,890,870; 5,198,643;
5,477,041; 5,820,177; 5,986,564; 7,051,561; D494,841; D501,131
D512,899; D519,021; D531,629; D533,009; D533,047; D533,762;
D533,763; D535,629 CANADA: 1,252,854; 1,298,902
U.K. 2,010,375
Other U.S. and foreign patents pending

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