

APPLICATION

When installed in a Logic 3 (L3) or Logic 4 (L4) operator, this FDRCARD works in conjunction with the AFCB fire door release device to provide motorized fire door control. The card is designed for a standard RJ-11 phone cable connection (4 wire conductor cord) instead of the 13 wire connection required in other applications. The use of the FDRCARD eliminates the need for auxiliary limit switches, which are found commonly in other applications. **NOTE:** The Logic 3/4 operator **must** have an electric safety edge installed and the operator **must** be set to "B2" wiring mode.

INSTALLATION

1. Disconnect main power to the operator and fire door release device.
2. Open cover on the operator and fire door release device. Disconnect the batteries within the fire door release device.
3. Plug the FDRCARD into option board slot P3 or P4 on the Logic Board (Figure 1).
4. Connect RJ-11 phone cable into P1 of FDRCARD.
5. Route the RJ-11 telephone cable from the operator electrical box to the fire door release device through conduit.
NOTE: When wiring between operator and fire door release device the phone cable must be run in separate conduit (Figure 3).
6. Connect the RJ-11 phone cable to the fire door release device's phone jack connection (SER COM) on the fire door release device's logic board (Figure 2).
7. Set the SELECTOR DIAL on the Logic Board to B2. Refer to owner's manual for details. Set the fire door release device to motorized door operation by placing DIP switch position 1 to the ON position. DIP switch position 2 should be set ON for "Stop on Obstruction" or OFF for "Release on Obstruction". Refer to fire door release device owner's manual for details.
8. Reconnect main power to operator and fire door release device. Reconnect the batteries within the fire door release device.
9. The following LED's should be lit:
 - GREEN LEDs (2) for +5v and +24v power on FDRCARD
 - The RED, GREEN and YELLOW LEDs on the exterior of the fire door release device
10. Perform a simulated fire test to verify the operator and fire door release device are working properly.
NOTE: Follow the "Three Cycle Obstruction Test" procedure in the owner's manual of the fire door release device.
11. After performing the test, secure both the operator and the fire door release device's covers.

⚡ ⚠ WARNING

To reduce the risk of SERIOUS INJURY or DEATH:

- ALL electrical connections MUST be made by a qualified individual.
- Disconnect power at the fuse box BEFORE proceeding. Operator and Release device MUST be properly grounded and connected in accordance with local electrical codes.
- Installation of ALL wiring and connections, including Class 1 and Class 2 circuits, shall be performed in accordance with, but not limited to, the latest NFPA, UL and N.E.C. standards and codes. In addition, ALL installations subject to Canadian Electrical Code, Part I, with respect to wiring material type, wiring gauge related to power capacity requirements and circuit length and wiring methods.
- ALL power and control wiring MUST be run in separate conduit.
- An electric safety reversing edge MUST be installed on ALL motorized doors BEFORE proceeding with the installation.



WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

FIGURE 1

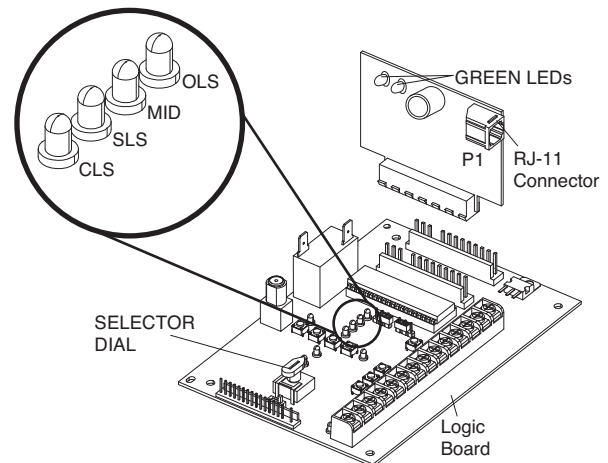
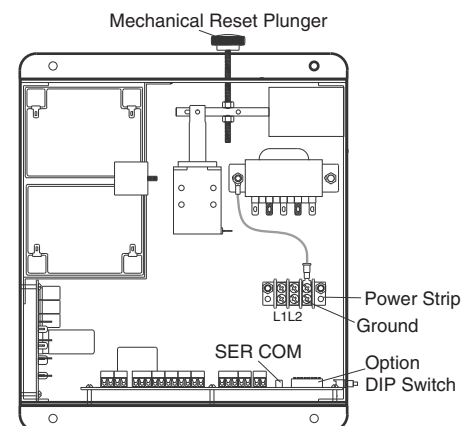


FIGURE 2



TROUBLESHOOTING

If the YELLOW LED on the outside of the fire door release device does not light, check that DIP switch 1 on the fire door release device's logic board is in the ON position and that the RJ-11 phone cable is snapped into position at both ends.

NOTE: These steps need only be taken if the fire door release device fails to correctly close the door connected to the operator.

Communication between the Logic 3/4 operator and the fire door release device can be verified by placing the Logic Board into "DIAG" mode by turning the SELECTOR DIAL. With the RJ-11 phone cable correctly connected, the MID-STOP LED on the logic board should light up and remain on.

If the cable has a poor or intermittent connection, the MID-STOP LED will blink erratically. Possible causes:

- Cable not fully inserted into the RJ-11 jacks.
- Poor crimp connection for the RJ-11 connectors.
- Excessive strain on the cable.

If there is no connection in either the send path or receive path, the MID-STOP LED will remain off. In the event this occurs call technical support for assistance at 1-800-528-2806.

NOTE: The Open Limit LED (Green) and the Close Limit LED (Green) on the AFCB control board do not function with this option.

NOTE: If the LMEP is activated, under alarm condition the device will release the end link after the safety timer has expired (Dip Switch #5 setting: OFF = 3 minutes / ON = 6 minutes).

FIGURE 3

