Installation Instructions

Part Number 33CSREMCCN

GENERAL

The accessory CCN remote communications board is used when CCN (Carrier Comfort Network) or LEN (Local Equipment Network) communications are needed with the PremierLink controller. The remote communications board is wired to the PremierLink controller and provides two RJ14 connectors for CNN and LEN communication and 4 screw connectors for field connection to the CCN bus.

PACKAGE CONTENTS

- remote communications board
- 2 brackets
- 2 short machine screws
- 2 self-drilling mounting screws

TOOLS REQUIRED

- Battery-operated drill with Phillips head bit
- Phillips head screwdriver
- Wire strippers
- Mechanical wire fasteners

INSTALLATION

Location — The remote communications board should be mounted inside one of the available service access panels in the low voltage termination box. The location should be dry and allow sufficient access for wiring and service. Make sure the installation location will not leave any sharp points from the installation screws exposed.

For service access, there should be at least 3 to 4-in. of clearance around the board and adjacent surfaces. The location should be close enough to the PremierLink controller to allow clear routing of the wires in the harness to the communications connector (J2). Make sure there are no high voltage wires or contactors near the board.

Mounting — Two brackets are used to mount the board to the access panel. Two short machine screws with dimpled washers are used to connect the remote communications board to the brackets. The brackets consist of two right angles fastened together with a machine screw.

Place the threaded hole at one end of the bracket under the communications board. Use one of the short machine screws with the dimpled washer to fasten the bracket to the communications board. Repeat for the remaining bracket.

The mounting end of the bracket may be positioned away from the communications board (if space permits) or may be positioned under the communications board (if required by the mounting location). See Fig. 1. If the brackets can be positioned outward, line the board up in the desired location and use the battery operated drill to secure the bracket to the mounting surface using the 2 self-drilling screws provided.

If the desired installation has the brackets positioned under the communications board, then locate the board in the mounting location. Mark the center of the holes in the mounting brackets under the communications board. Remove the brackets and secure them to the mounting surface using the hole markings made previously. Once the brackets are secured, fasten the communications board to the brackets.

Wiring — The remote communications board has two RJ14 connectors. See Fig. 1.

The left connector is used for LEN connections and can provide power to a Navigator display module. The left set of red, white and black wires should be connected to the J2 communications connector on the PremierLink controller for using the left jack to support a Navigator display module.

The red and brown wires should be connected to 24 VAC from the unit transformer that is powering the PremierLink controller. Make sure polarity is correct or the PremierLink controller may be damaged.

The right RJ-14 jack is used for CCN communication. Connect the screw terminals on the remote communications board to the CCN bus. Connect the right red, white, and black wires to the J2 connector on the PremierLink controller. Refer to the PremierLink installation instructions for setting the DIP switch for LEN or CCN communications.
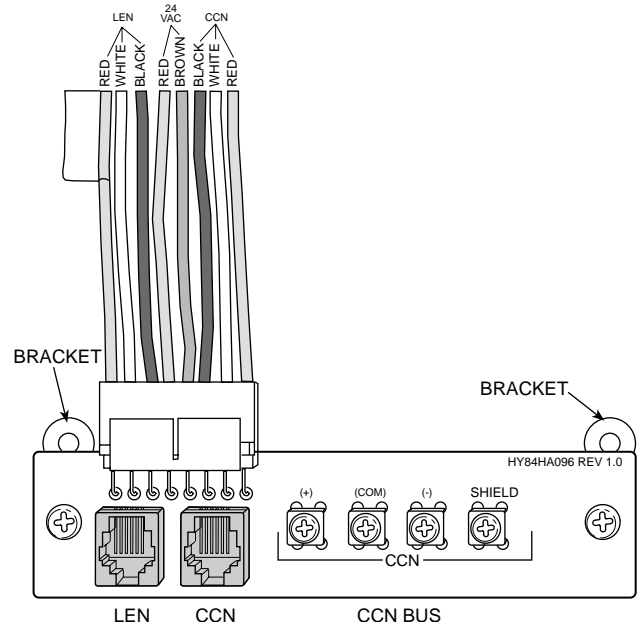

Fig. 1 — Remote Communications Board

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