Mounting Instructions

Part Number 33CSPREMLK

IMPORTANT: This document contains PremierLink controller mounting information only. Refer to the Installation, Start-Up, and Configuration manual for PremierLink controller wiring and installation configuration procedures.

GENERAL

The PremierLink controller is a field retrofit rooftop control compatible with the Carrier Comfort Network® (CCN) system. This control is designed to allow users the access and ability to change factory-defined settings, thus expanding the function of the standard unit control board. The complete PremierLink package (part number 33CSPREMLK) consists of a rooftop control circuit board with plastic cover and label, wire harness, spade connectors, wire nuts and 4 mounting screws.

Carrier's diagnostic standard tier display tools such as System Pilot™ or Touch Pilot™ device can be used with the PremierLink controller. Access is available via an RJ-14 connection or a 3-wire connection to the communication bus. User interfaces available for use with the CCN system are PC's equipped with Carrier interface software such as Service Tool, ComfortVIEW™, or ComfortWORKS® software. When used as part of the CCN, other devices such as the CCN data transfer or Comfort Controller can read data from or write data to the PremierLink retrofit controller.

TOOLS REQUIRED

Phillips head mechanical screwdriver or battery operated drill with Phillips head bit.

INSTALLATION

Location — The PremierLink controller should be located inside one of the available service access panels of the unit. Be sure the location selected prevents moisture and rain from coming into contact with the circuit board.

Select a location which will be safe from water damage and allow sufficient access for service and wiring. For service access, there should be at least 6 in. of clearance between the front of the PremierLink controller and adjacent surfaces. Be sure to leave $^1/_2$ in. clearance in front of RJ-14 connector for attaching RJ-14 cable from a CCN device. A field-supplied right angle 6-pin RJ-14 connector can be attached if necessary.

NOTE: If the PremierLink controller must be installed in a location where there is not easy access to CCN connectors, a remote connection kit (part number 33CSREMCCN) can be ordered.

Mounting — Perform the following steps to mount the PremierLink controller:

1. Remove plastic cover by gently squeezing the middle of longer sides of the cover and pull away from the board. This will release the locking tabs inside cover.
2. Holding the controller upright, align the holes in each top corner of the controller to predrilled holes on unit surface. See Fig. 1.

NOTE: If replacing an existing Apollo control, two holes on the board will line up with two holes where the Apollo control base plate was mounted.

3. Hold the controller firmly in place. Be sure all standoffs are in contact with mounting surface for stability. This keeps the circuit board from bending and provides for grounding.
4. Align controller to existing holes on unit and drill remaining holes.
5. Using four no. 6x1-in. self-drilling Phillips pan head screws (provided), attach controller to unit through standoffs ensuring a secure grip to unit surface and proper electrical grounding.

IMPORTANT: To prevent malfunctioning of the circuit board, any wires not being used in the wire harness should be removed or capped. To remove wires from Molex connector, depress the metal latching tab with a small screwdriver and gently pull the wire out.

6. Replace plastic cover to protect circuit board. The cover also provides product identification.

NOTE: The plastic cover is UL (Underwriters Laboratories) 94-V0/5VB approved. If installing the controller in the airstream, be sure to check with local codes department. As an alternative, the controller can be mounted without the cover.

For further instructions regarding sensors, options, start-up, configuration, and troubleshooting of the controller, refer to the Installation, Start-Up, and Configuration Instructions.

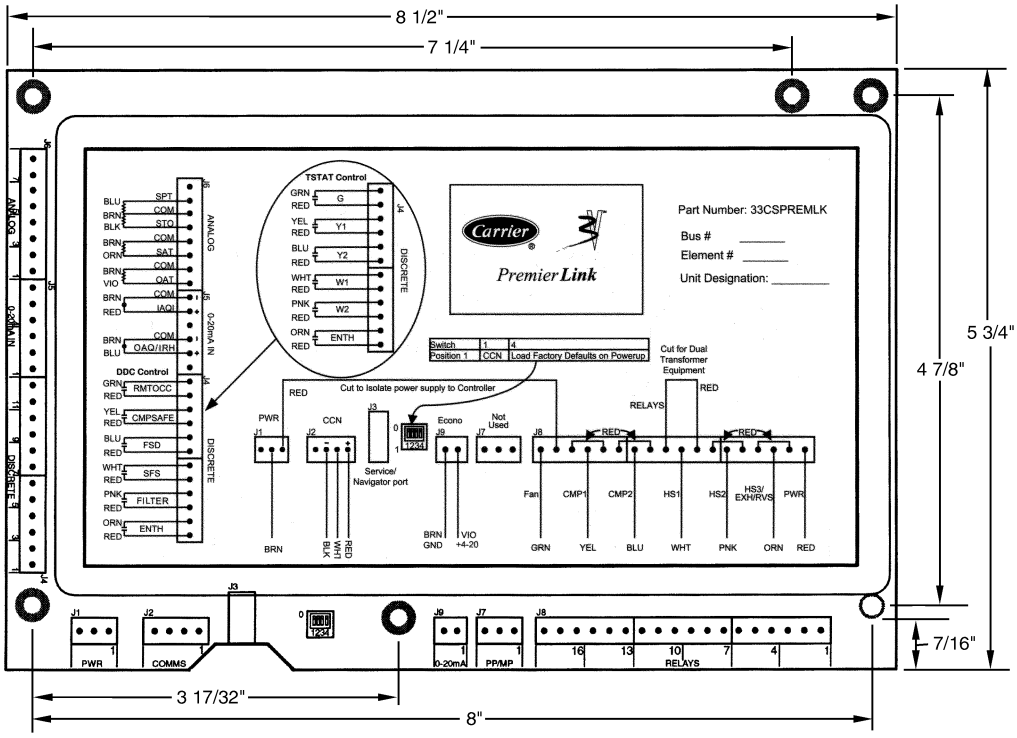

Fig. 1 — PremierLink™ Control