



Installation Instructions

Part Number CRCTLEXB001A00

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure).

Only trained, qualified installers and service technicians should install, start up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling and installing this accessory.

⚠ WARNING

Electrical shock can cause personal injury and death. Shut off all power to this equipment during accessory installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

INTRODUCTION

The economizer control board accessory (EXB) is required for additional features that are offered from a *ComfortLink* controller. See Fig. 1. The following field-installed accessories are supported by this accessory:

- humidifier
- low ambient control

PACKAGE USAGE

UNIT	SIZE
48/50N2,N3,N4,N5,N6,N7,N8,N9	75 to 150 Ton

ACCESSORY PACKAGE CONTENTS

ITEM	QTY
Economizer Control Board, P/N 48ZZ501302	1
Harness Assembly, P/N 48NGHLRLALF030A	1

INSTALLATION

NOTE: See Fig. 1 for all EXB board wiring connection locations. See Fig. 2 for control box board and plug locations.

1. Inspect the package contents for missing or damaged parts. File a claim with the shipping agency if parts are damaged. Notify your Carrier representative if any items are missing.
2. Open and tag all electrical disconnects.
3. Open main control box access door.

4. Attach EXB board in the main control box in the location shown in Fig. 2 using the 5 no. 6-20 x 1-in. screws provided.
5. Connect the accessory wiring harness plugs EXB-J1, EXB-J2, EXB-J4, EXB-J5, EXB-J7, EXB-J8, and EXB-J9 to the J1, J2, J4, J5, J7, J8, and J9 terminals of the EXB board.
6. Connect accessory wiring harness leads labeled TB101 to TB101 terminals 1, 2, 3, 6, and C as marked.
7. Connect accessory wiring harness plug RXB-J9 to the J9 terminal on the RXB board.
8. Route PL27, PL30, PL66, and PL68 to the bottom of the control box and connect to the mating plugs.

CONTROL MODULE COMMUNICATIONS

Red LED — Proper operation of the control boards can be visually checked by looking at the red status LEDs as shown on Fig. 1 and 2. When operating correctly, the red status LEDs on all boards should blink in unison at a rate of once every 2 seconds (1 second ON, 1 second OFF). If the red LEDs on all boards are blinking, but not in unison, then either the communication wiring between boards is incorrect, one or more of the boards is faulty, or there is a software problem.

Verify that the wiring between boards is correct, and that the main base board (MBB) is supplied with the current software. If necessary, reload current software. If the problem still persists, replace any board determined to be faulty.

A red LED on any board that is lit continuously or blinking at a rate of once per second or faster (0.8 second ON, 0.2 second OFF) may indicate either a software problem or a faulty board. Reload current software. If the problem persists, replace the board.

Green LED — Each board also has a green LED, which acts as an activity light. This LED lights sporadically, whenever the board communicates with another board. On the MBB board this local equipment network (LEN) LED should always be blinking whenever power is on. All other boards have a LEN LED that will blink whenever power is on and there is communication occurring. If the LEN LED is not blinking, check LEN connections for potential wiring errors (J3 and J4 connectors). A 3-wire sensor bus allows communication between modules. These 3 wires run in parallel from module to module.

CONFIGURE COMFORTLINK CONTROL

Configure the following:

- humidifier
- low ambient control

Refer to Controls and Troubleshooting Guide for configuration details.

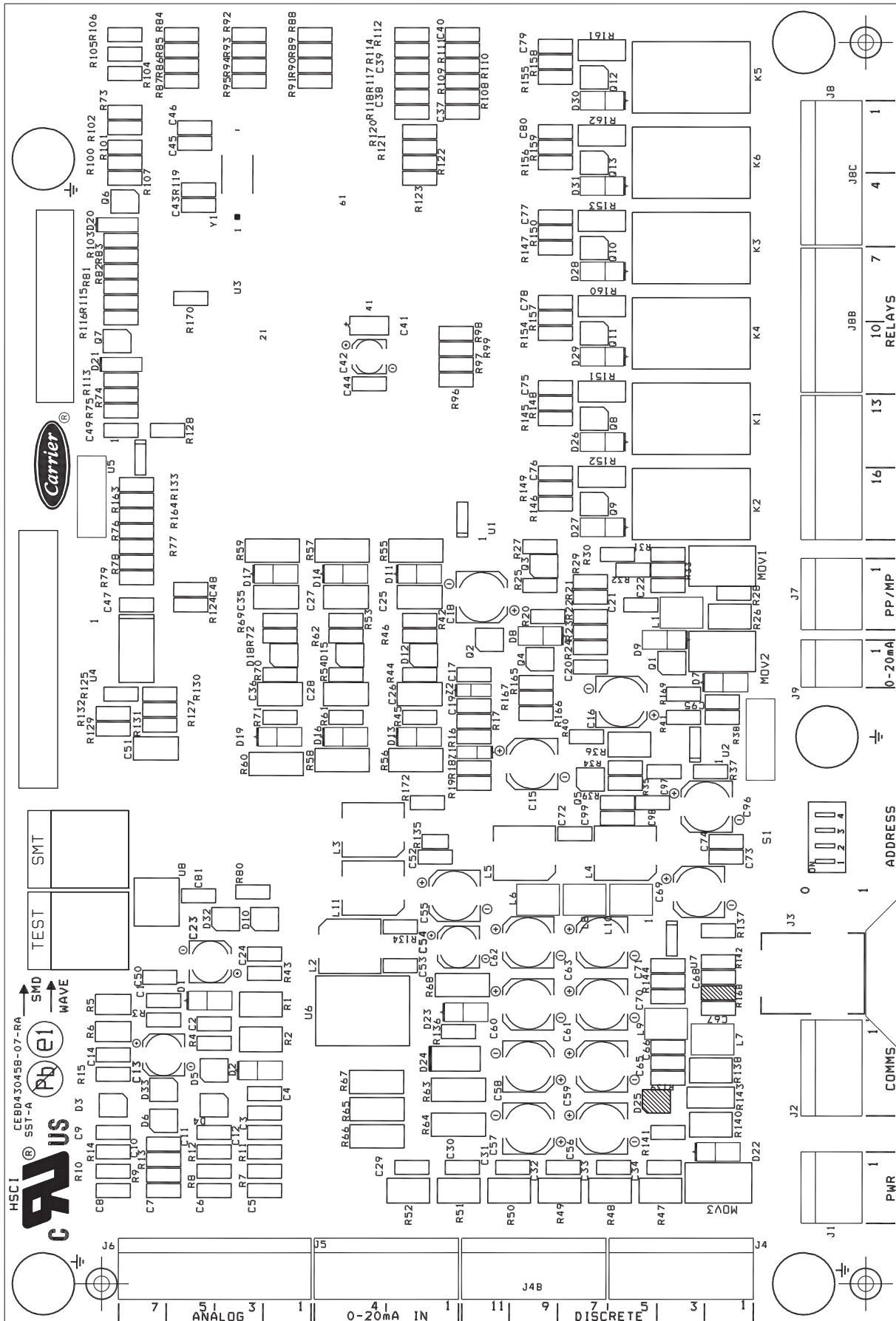


Fig. 1 — EXB Board

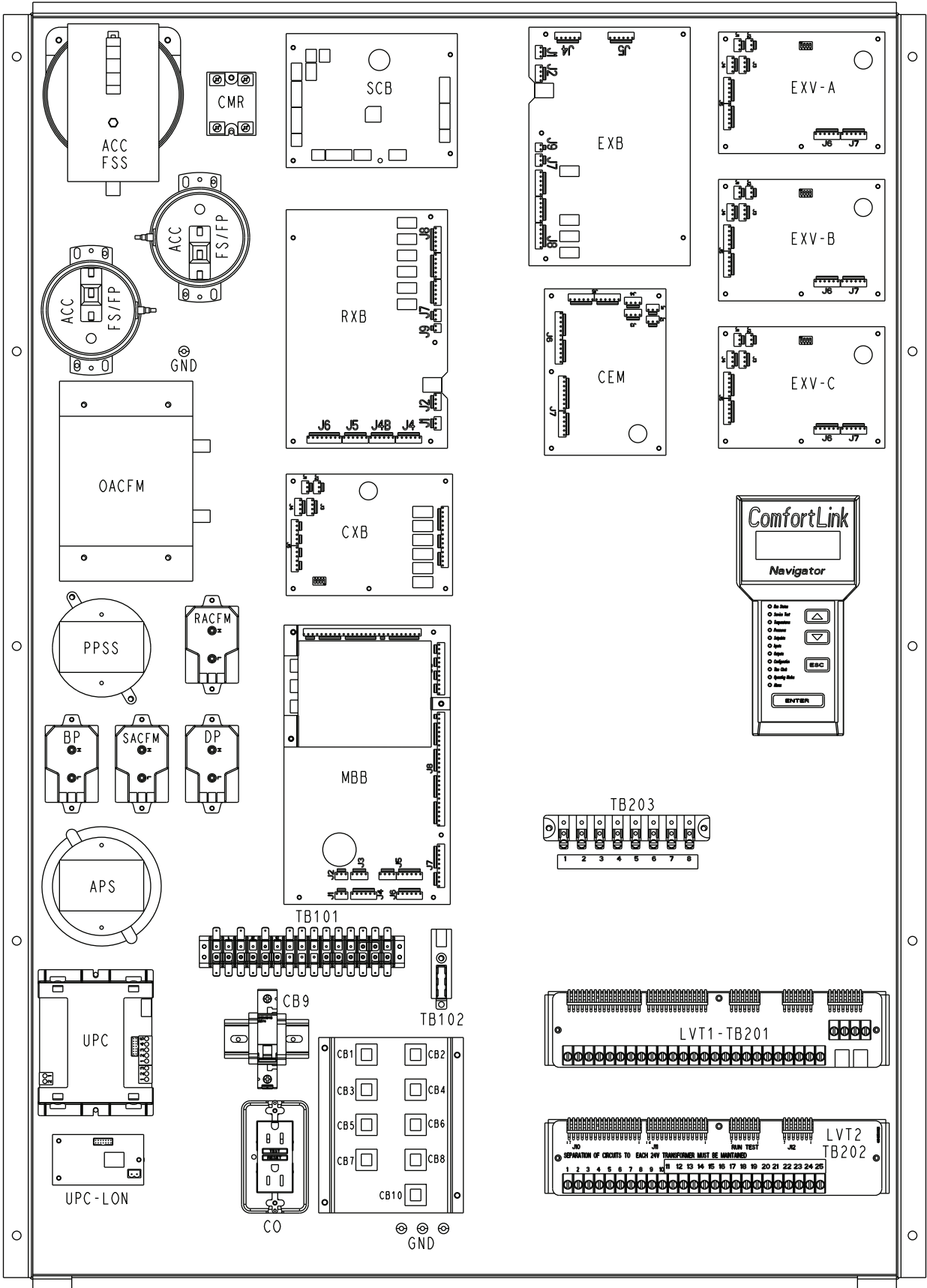


Fig. 2 — Main Control Box

