



INSTALLATION INSTRUCTIONS -- PROTRAN® FLUSH TRIM

KIT NO. KF6 (for 4 and 6-circuit Protran® models)
KIT NO. KF10 (for 8 and 10-circuit Protran® models)

This kit contains:

- 1 - Mounting Bracket for flush mounting Protran® Series Transfer Switches
- 1 - Support Flange
- 1 - Flush Trim
- 2 - Straight conduit fittings
- 1 - 24" Conduit length
- 11 - 8-32 x 1/4" Phillips Pan Head screws (4 to attach Protran® to Mounting Bracket, 4 to attach Flush Trim to Mounting Bracket and 3 for Support Flange attachment)
- 3 - #10 x 1" Slotted Hex Washer Head screws (for Stud attachment)

Extra screws are included to replace those that fall on the floor (they are frequently impossible to find) or those that fall between studs behind wall.

Hex head screws are provided for use in the sides of the mounting bracket where it would be awkward to use a screwdriver, but more convenient to use a right-angle socket wrench. Because of the force available with a socket wrench, extreme care must be taken not to overtighten and strip these screw threads.

IMPORTANT: READ THE INSTRUCTIONS ENCLOSED WITH THE PRO/TRAN® FOR A COMPLETE OVERVIEW CONCERNING INSTALLATION OF THE PRODUCT. THE FOLLOWING INSTRUCTIONS APPLY TO THIS FLUSH MOUNTING BRACKET.

FOR NEW CONSTRUCTION (WITHOUT FINISHED WALL IN PLACE)

1. Remove Protran® wiring compartment cover

Remove the Protran® wiring compartment cover by removing the two front-facing screws located at the bottom of the unit.

2. Replace conduit fittings

Remove the right-angle conduit fittings and the existing 18-inch conduit section from the Protran® circuit lead wires, and replace with the straight fittings and the 24-inch conduit section furnished. In some cases, it may be more convenient to use one of the side knockouts provided. Conduit may be cut to any convenient length.

3. Select Mounting Location

The Protran® Mounting Bracket is designed to mount by either its left or right side directly to a stud adjacent to the load center. Location must be close enough to the load center to allow the end of the Protran® conduit to reach a convenient load center knockout.

4. Install Support Flange to Mounting Bracket and adjust to wall thickness

Attach the Support Flange to the side of the Mounting Bracket opposite the side that will be mounted to the stud, using the three 8-32 x 3/8" Slotted Hex Washer Head screws provided. The front surface of this Support Flange must back up against the rear surface of the finished wall in order to retain this side of the Mounting Bracket firmly in place after the Flush Trim is installed. This can be done by locating the front surface of this Support Flange from the front surface of the two Mounting Bracket trim tabs at a distance that is equal to the finished wall thickness. Tighten these three screws firmly.

5. Install Mounting Bracket

Drill three 1/8" diameter pilot holes in the side of the stud adjacent to the mounting side of the Mounting Bracket. In order to align the slots in the side of the Mounting Bracket, these holes should be spaced approximately 3/4" in from the front surface of the stud, and at a vertically spaced distance as follows:

For 6-circuit Protran® transfer switches: 4 inches
 For 10-circuit Protran® transfer switches: 7 inches

The side of the Mounting Bracket may be used as a template. Insert the #10 Slotted Hex Washer Head screws provided, and run them in to within about 1/8 inch from seating. Place the Mounting Bracket on these screws.

6. Adjust front surface of trim tabs to front surface of wall

In order for the Flush Trim to fit flush against the finished wall, the front surfaces of the Mounting Bracket trim tabs must be located even with the front surface of the finished wall. This can be done by locating the front surface of the Mounting Bracket trim tabs from the front face of the stud at a distance that is equal to the finished wall thickness. Tighten the three screws firmly.

7. Install Protran® to Mounting Bracket Frame

Attach the Protran® transfer switch to the Mounting Bracket. Use four of the 8-32 x 1/4" Phillips Pan Head screws provided. Tighten firmly.

8. Connect the Protran® to the load center and the auxiliary power source

Follow the wiring instructions furnished with the Protran® transfer switch.

9. Finishing Up

Replace wiring compartment cover removed in Step 1. After the finished wall is installed, attach the flush trim to the mounting bracket trim tabs with the remaining four 8-32 x 1/4" Phillips Pan Head screws.

FOR EXISTING CONSTRUCTION (WITH FINISHED WALL IN PLACE)

Follow the same basic instructions as above.

The size of the rectangular hole opening that you will need to make in the wall will be 10 inches wide by 11 inches high for 6-circuit Protran® models, and 10 inches wide by 17 inches high for 10-circuit models. Approximately 3/4 to 1 inch of this opening should overlap the stud to which the Mounting Bracket will be attached in order to allow clearance for the trim mounting tabs. Excess wall removal and replacement adjacent to the transfer switch will not normally be necessary. However, in order to attach the end of the conduit whip to the load center, some wall removal and replacement adjacent to the load center and the conduit whip will probably be required.