



# Circuit Breaker Assembly D2CB Series

SAVE THESE INSTRUCTIONS  
FOR FUTURE REFERENCE

IF908

## Installation & Maintenance Information

### APPLICATION

D2CB Series circuit breaker assemblies are designed for field addition or replacement in N2PB Series, D2PB Series and D2PB Series - Model M2 circuit breaker panelboards. Each assembly consists of a factory sealed Class I, Division 2, Groups C and D, enclosure and a 1-pole or 2-pole circuit breaker of appropriate trip rating.

### INSTALLATION

#### WARNING

Be sure all electrical power is turned **off** before and during installation and maintenance.

#### D2PB SERIES PANELBOARDS

(No Model Designation):

1. Remove hex head screws from main panelboard cover, then carefully lift cover off and set it aside to prevent damage to the flange gasket.

**NOTE:** Do not place cover on surface that might damage flange gasket. Avoid sliding cover across body flange.

2. **To replace D2CB circuit breaker (with integral wiring terminations):**

- Cut connecting wires from main terminal block and branch terminal block as close as possible to the D2CB circuit breaker. Trim insulation from each conductor following the wire strip gage molded into the replacement D2CB circuit breaker wire terminals.
- Remove two mounting screws that secure circuit breaker to panelboard.
- Fasten replacement D2CB circuit breaker to panelboard with the circuit breaker switch handle located towards the center of the panelboard.

**NOTE:** Do not remove the washers holding the two mounting screws captive.

- Reconnect wires from main terminal block and branch terminal block to D2CB circuit breaker wire terminals.

3. **To install additional circuit breaker:**

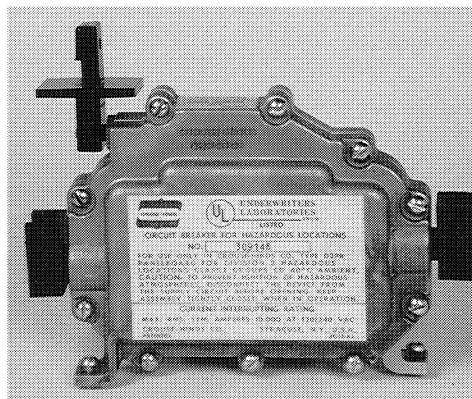
- Fasten D2CB circuit breaker to panelboard with the circuit breaker switch handle positioned towards the center of the panelboard.

**NOTE:** 2-pole D2CB circuit breaker requires the mounting space of two 1-pole circuit breakers.

**NOTE:** Do not remove the washers holding the two mounting screws captive.

- Connect insulated wire from the main terminal block to the line side connection on the D2CB circuit breaker. A wire strip gage is molded into the wire connection housing for easy reference.

D2CB Series Circuit breaker assemblies should be installed, inspected and maintained by qualified and competent personnel in compliance with the latest edition of the National Electrical Code®.



1-Pole D2CB



2-Pole D2CB

**NOTE:** The maximum wire size accepted by 1-pole and 2-pole D2CB circuit breaker wire terminals is #10 AWG solid.

- Connect insulated wire from load side circuit breaker terminal to the branch terminal block.

**NOTE:** The branch circuit connection may be made directly to the circuit breaker if so desired.

- Make branch circuit connection to neutral bus and D2CB circuit breaker (or branch terminal block) following approved wiring methods.
- Remove filler plate covering corresponding access hole in main panelboard cover by compressing locking tabs with pliers or similar tools.

4. Replace main panelboard cover, then install and securely tighten hex head screws previously removed, completing installation.

## D2PB-MODEL M2 and N2PB SERIES PANELBOARDS:

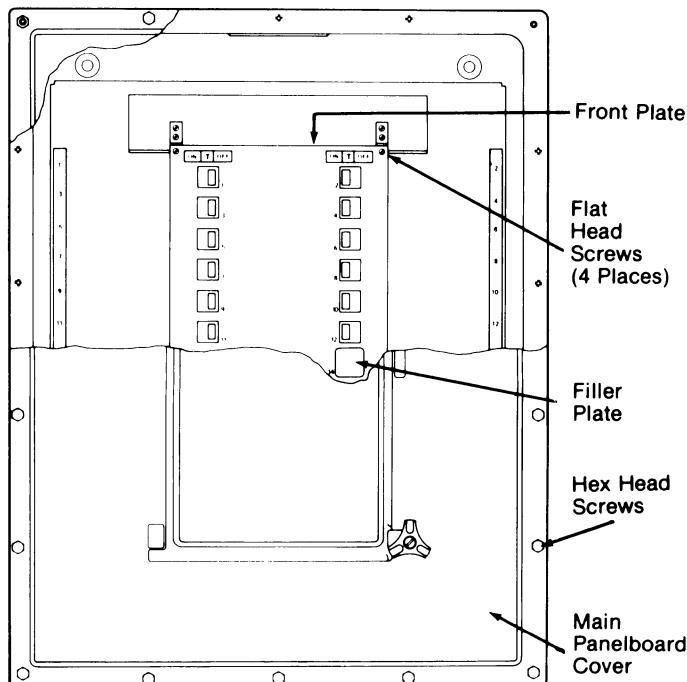
1. Remove screws from main panelboard cover. Carefully lift cover off and set it aside to prevent damage to the flange gasket.  
**NOTE:** Do not place cover on surfaces that might damage flange gasket. Avoid sliding cover across body flange.
2. Remove the four (4) screws from front plate, then remove front plate and set it aside. (See Figure 1.)

### 3. To replace D2CB circuit breaker:

- Disconnect wires fastened to circuit breaker at each wire terminal.
- Remove two mounting screws that secure circuit breaker to panelboard.
- Fasten replacement D2CB circuit breaker to panelboard with circuit breaker switch handle positioned towards the center of the panelboard.

**NOTE:** Do not remove the two washers that hold the two mounting screws captive.

- Reconnect wires from main terminal block and branch circuit connection to D2CB circuit breaker wire terminals.



**Figure 1.**  
**Cover/Interior Detail View**

### 4. To install additional circuit breaker:

- Fasten D2CB circuit breaker to panelboard with the circuit breaker switch handle positioned towards the center of the panelboard.

**NOTE:** 2-pole D2CB circuit breaker requires the mounting space of two 1-pole circuit breakers.

**NOTE:** Do not remove the two washers that hold the two mounting screws captive.

- Connect insulated wire from the main terminal block to the line side connection on the circuit breaker. A wire strip gage is molded into the wire connection housing for easy reference.
- Make branch circuit connection to neutral bus and circuit breaker following approved wiring methods.

**NOTE:** The maximum wire size accepted by 1-pole and 2-pole D2CB circuit breaker wire terminals is #10 AWG solid on D2PB Series panelboards. The maximum wire size accepted by 2-pole D2CB circuit breaker wire terminals is #4 AWG stranded on N2PB Series panelboards.

- Remove filler plate covering corresponding access hole in front panel by compressing locking tabs with pliers or similar tool.
- 5. Reinstall front plate to panelboard and secure with four screws previously removed.
- 6. Replace main panelboard cover, then install and securely tighten screws previously removed, completing installation.

## MAINTENANCE

Perform visual, electrical and mechanical checks of all components on a regular schedule. This should be determined by the environment and frequency of use but it is recommended that it should be at least once a year.

### WARNING

If any part appears to be broken or shows signs of any damage—**DISCONTINUE USE IMMEDIATELY**. Replace, or properly repair, the item(s) before continuing service.

*All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.*



**CROUSE-HINDS**  
**ELECTRICAL**  
**CONSTRUCTION**  
**MATERIALS**

Division of Cooper Industries, Inc. • Syracuse, New York 13221 • U.S.A.