

Form C auxiliary switch kit in Magnum low voltage circuit breakers

⚠ WARNING

- (1) ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT
- (2) ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION
- (3) DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED (RACKED) OUT TO THE DISCONNECT POSITION.
- (4) ALL CIRCUIT BREAKERS SHOULD BE SWITCHED TO THE OFF POSITION AND MECHANISM SPRINGS DISCHARGED.

FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

⚠ WARNING

THE INSTRUCTIONS CONTAINED IN THIS IL AND ON PRODUCT LABELS MUST BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES.

- DISCONNECTING;
- ENSURE THAT DEVICES CANNOT BE ACCIDENTALLY RESTARTED;
- VERIFY ISOLATION FROM THE SUPPLY;
- EARTHING AND SHORT-CIRCUITING; AND;
- COVERING OR PROVIDING BARRIERS TO ADJACENT LIVE PARTS.

Section 1: General information

An auxiliary switch assembly is an optional device providing remote electrical indication if the circuit breaker is open or closed. Up to three auxiliary switch assemblies can be mounted in the circuit breaker. Each switch assembly has four Form "C" switches for a total of 12 available wires.

This product is intended for use in Magnum circuit breakers with PXR. Do not use this product in Magnum circuit breakers with Digitrip trip units.

Note: Some components, such as the trip unit, not shown for clarity.

Section 2: Installation of the auxiliary switch

To install the auxiliary switch assembly, proceed with the following steps:

Step 1: Remove the front cover by unscrewing the hex head captive bolts (four for three-pole, six for four-pole) that join the cover to the breaker housing using a 10 mm 1/4-inch drive socket. Then hold the charge handle down approximately 45 degrees to pull off the cover.

Step 2: Place the appropriate label on the front cover nameplate space located under "Accessories."

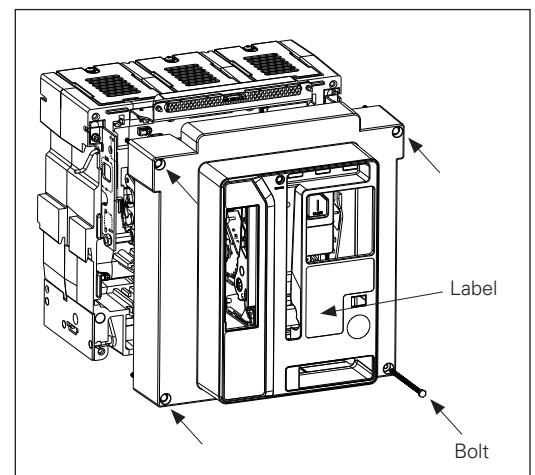


Figure 1. Step 1 and 2.

EATON

Powering Business Worldwide

Step 3: Slide the lock on the switch to the unlocked (up) position. Install the hook feet down through openings as shown. Then slide the auxiliary switch forward toward the right side of the breaker so the feet engage the mounting plate. Slide the lock down into the locked position.

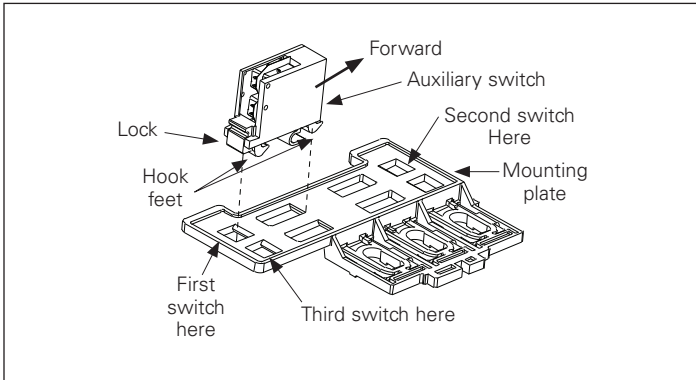


Figure 2. Step 3.

Step 4: Wire auxiliary switches per Table 1 and wire markings.

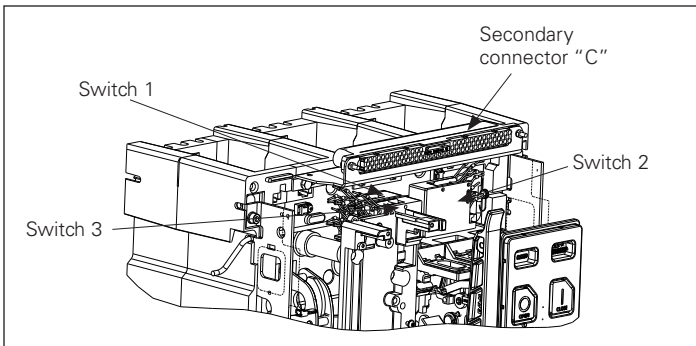


Figure 3. Step 4

Note: Securely tie wires away from moving parts.

Table 1. Auxiliary switch secondary wiring

Wire marker	Aux. switch 1	Aux. switch 2	Aux. switch 3
A1	C61	C73	C37
B1	C62	C74	C38
C1	C63	C75	C39
A2	C64	C76	C40
B2	C65	C77	C41
C2	C66	C78	C42
A3	C67	C79	C43
B3	C68	C80	C44
C3	C69	C81	C45
A4	C70	C82	C46
B4	C71	C83	C47
C4	C72	C84	C48

Step 5: Reinstall front cover removed in Step 1.

Disclaimer of warranties and limitation of liability

The information, recommendations, descriptions, and safety notations in this document are based on Eaton Corporation’s (“Eaton”) experience and judgment, and may not cover all contingencies. If further information is required, an Eaton sales office should be consulted.

Sale of the product shown in this literature is subject to the terms and conditions outlined in appropriate Eaton selling policies or other contractual agreement between Eaton and the purchaser.

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, OTHER THAN THOSE SPECIFICALLY SET OUT IN ANY EXISTING CONTRACT BETWEEN THE PARTIES. ANY SUCH CONTRACT STATES THE ENTIRE OBLIGATION OF EATON. THE CONTENTS OF THIS DOCUMENT SHALL NOT BECOME PART OF OR MODIFY ANY CONTRACT BETWEEN THE PARTIES.

In no event will Eaton be responsible to the purchaser or user in contract, in tort (including negligence), strict liability, or otherwise for any special, indirect, incidental, or consequential damage or loss whatsoever, including but not limited to damage or loss of use of equipment, plant or power system, cost of capital, loss of power, additional expenses in the use of existing power facilities, or claims against the purchaser or user by its customers resulting from the use of the information, recommendations, and descriptions contained herein.

The information contained in this manual is subject to change without notice.