

IZM cassette cell switch field option kit

⚠ 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.

Section 1: General information

The cassette cell switch is a compartment position switch for drawout circuit breakers. Each cell switch assembly consists of four SPDT switches operated by a common actuator. The wiring diagram in Figure 1 illustrates the switch contacts in the normal (unactuated) position with the breaker fully withdrawn. As the breaker is levered into the cassette, the switches change state. Switch packs can be placed in one or more of the three positions shown (D, T, or C), and are activated progressively as the breaker reaches the insertion position shown in Figure 1.

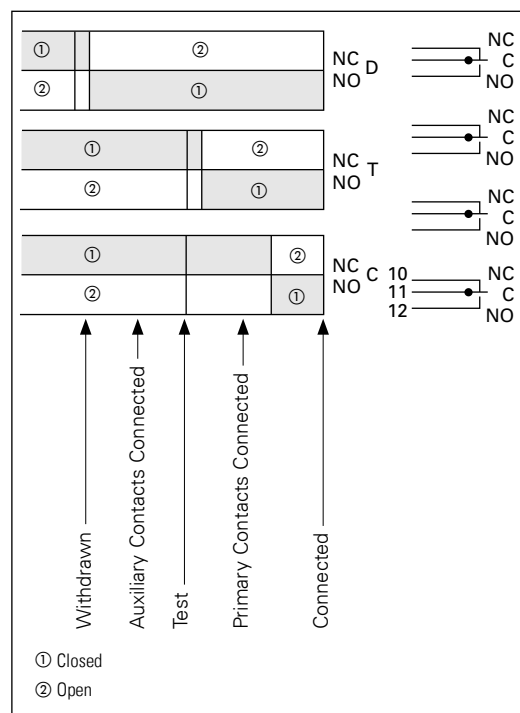


Figure 1. Cell Switch Wiring Diagram

Section 2: Installation of cassette cell switch

A #2 Phillips head screwdriver is recommended for this installation. To install the cassette cell switch, proceed with the following five steps:

Step 1: Three sets of 12 wire markers are included with each switch assembly, allowing it to be marked for either the **C**, **T**, or **D** position. Depending upon the number and location of the switches to be used, apply the appropriate labels near the ends of the leads. Unused labels may be discarded.

Note: All switches don't need to be connected but can be left-handing in a wire loop. If more than four total SPDT switches are used, an auxiliary terminal block may have to be supplied by the customer.

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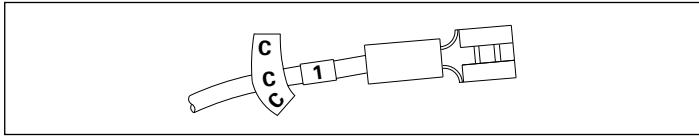


Figure 2. Step 1

Step 2: Bend the gasket 90 degrees at the crease line. Fasten it in place between the outside wall of the cassette and the gasket bracket with four M6 x 10 mm thread-forming screws. A right-side mounting is shown. Bend the gasket the opposite way for a left-side mounting.

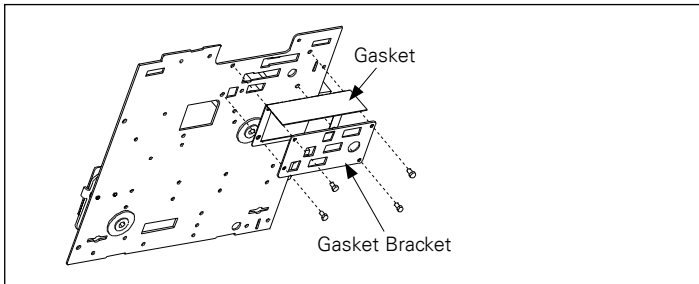


Figure 3. Step 2

Step 3: Insert cell switch into desired position by first sliding the lock to the unlocked (up) position. Install the hook feet down through openings, then slide switch forward so hook feet engage the cassette's side wall. Slide the lock down into the locked position.

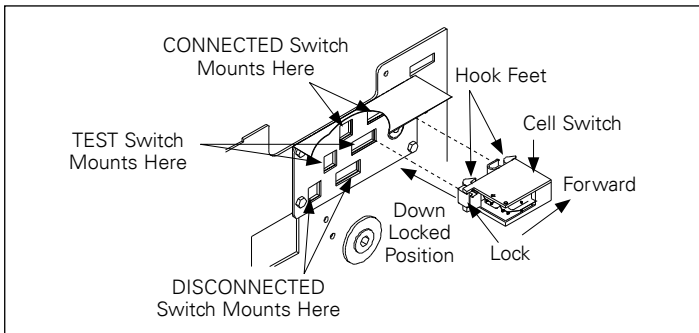


Figure 4. Step 3

Note: Up to three cell switches can be mounted on the cassette and should be wired directly to the operator own terminals.

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