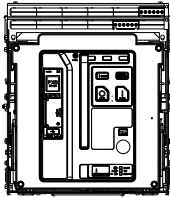
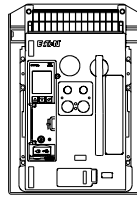


Air circuit breakers with PXR trip units - PXR rated current (I_n) marking change

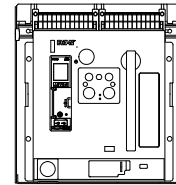
Instructions apply to:



UL1066 Magnum
Magnum PXR



UL489 PD-NF
IEC IZMX16



UL489 PD-RF
IEC IZMX40

⚠ 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 HAVE TO BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES:

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

DISCONNECT THE EQUIPMENT FROM THE SUPPLY. USE ONLY AUTHORIZED SPARE PARTS IN THE REPAIR OF THE EQUIPMENT. THE SPECIFIED MAINTENANCE INTERVALS, AS WELL AS THE INSTRUCTIONS FOR REPAIR AND EXCHANGE, MUST BE STRICTLY ADHERED TO PREVENT INJURY TO PERSONNEL AND DAMAGE TO THE SWITCHBOARD.

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Section 1: Introduction

Air circuit breakers with PXR electronic trip units are pre-configured at the factory for their rated current (I_n). This software allows you to modify the I_n within a restricted range. The allowable I_n ratings are determined by a combination of factors including the breaker's construction and the breaker's application. This software will restrict the I_n to the values supported by the circuit breaker's construction. You are responsible to limit the I_n value based on the application and not exceed any value specified by the engineer responsible for the installation.

Protection settings of the trip unit are based on the I_n rating. These settings affect the time-current curves and contribute to proper system coordination. Modification of the I_n may require re-evaluation of the circuit breaker's protection settings and overall coordination study to ensure proper application by the engineer responsible for the installation.

The *Change PXR ACB Rated Current functionality in PXPM* is used in place of the rating plugs used in Digitrip trip units.

This Instruction Leaflet provides instructions for updating the current marking on the breaker after making a change to the rated current (I_n) using PXPM and the licensed *Change PXR ACB Rated Current* functionality. The user is responsible for updating the rated current (I_n) marking on the breaker frame to match new rated current (I_n) to ensure compliance with regulatory bodies.

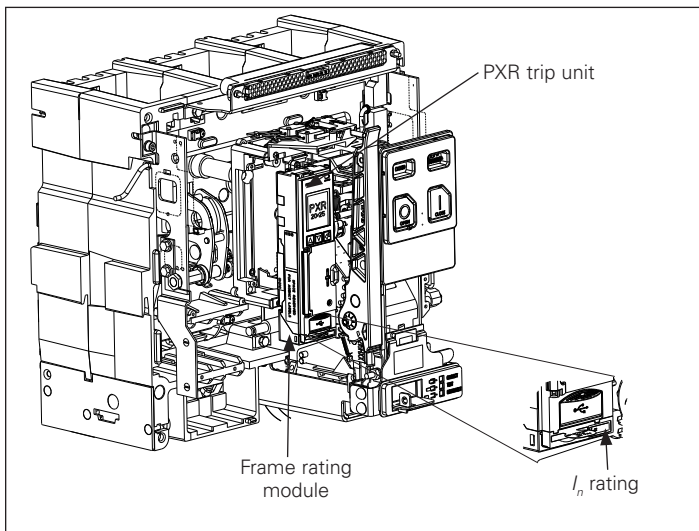


Figure 1. PXR rated current marking component overview (Magnum shown).

Section 2: Replacing the rated current label

Note: A number of graphics in these instructions use the Magnum frame breaker only as typical examples. The PD-RF and PD-NF breakers are similar in those situations.

Step 1. Peel the factory I_n label from the Frame Rating Module cover.

Step 2. Find the label corresponding with the new rated current (I_n) programmed through PXPM. These labels are included as part of PXPM-SW-PXRIN-KIT-1, along with the license to make one change to a breaker's rated current.

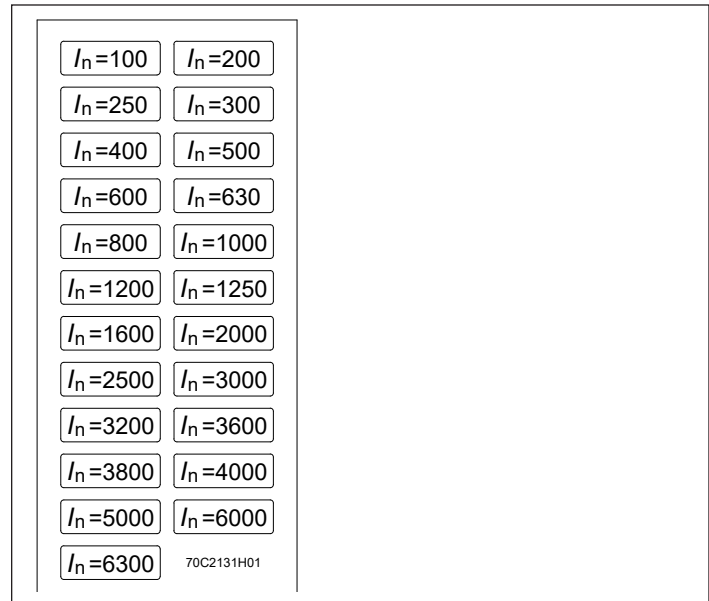


Figure 2. Step 2. Provided label sheet

Step 3. Place label over the rated current (I_n) marking located on the trip unit such that the previous marking is no longer visible.

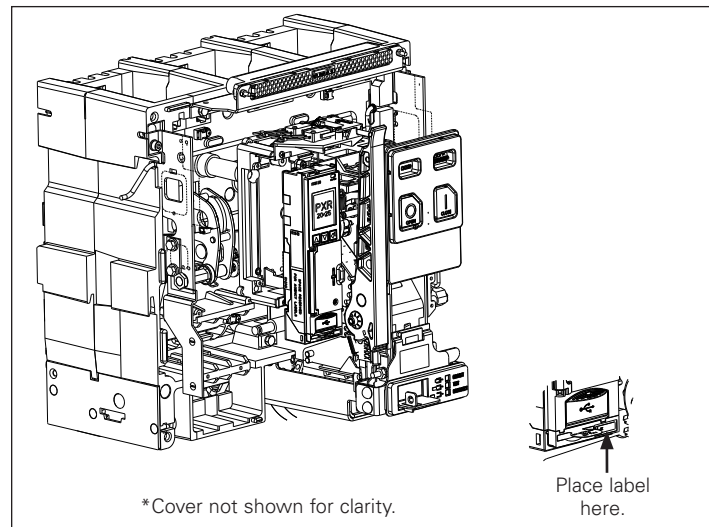


Figure 3. Step 3. Placing label

Note: A blank white field is provided on the Frame Rating Module cover beneath the factory rated current label. If the correct rated current label is not available at the time of reprogramming, remove the factory rated current label and mark the new rated current on the white field with a permanent marker. Contact Eaton for new rated current labels and apply the correct label when available.

Section 3: Additional information

Please contact Eaton with any questions:

Eaton
Electrical Group
1000 Cherrington Parkway
Moon Township, PA 15108
United States
877-ETN-CARE (877-386-2273)
Eaton.com

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