

DEH-41416 Installation Instructions

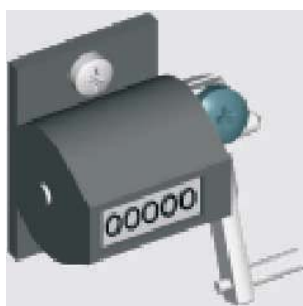
EntelliGuard® G Circuit Breaker Accessories

Mechanical Operations Counter

Introduction

Mechanical Operations Counter:

A simple and easy to install mechanical device that displays an accurate and cumulative record of the number of closing operation of the EntelliGuard® G Power Circuit Breaker in which it is installed. Note: this device does not have a reset function.



Catalog No.	Description
GMCNR	Mechanical Operations Counter



WARNING: Before installing any accessories, turn the breaker OFF, disconnect it from all voltage sources, and discharge the closing springs.



AVERTISSEMENT: Avant d'installer tout accessoire, mettre le disjoncteur en position OFF, le déconnecter de toute tension d'alimentation, et décharger les ressorts d'armement

Use the following procedure to install the Operations Counter accessory into the circuit breaker.

1. Turn the breaker off and discharge the closing springs by depressing the OFF and ON buttons in the sequence OFF-ON-OFF. Verify that the breaker OFF-ON indicator shows OFF on a green background and that the charge indicator shows DISCHARGE on a white background. If installing in a draw-out type breaker remove breaker from adaptor (cassette) before continuing.
2. Loosen the 6 screws on front cover (fascia) using a posidrive screw driver as shown in Fig 1.B Rotate the charging handle down and slide the front cover over the handle to remove the front cover as shown in Fig. 1.C.



Figure 1. (A) Front Cover (B) Screw Removal (C) Handle Rotation

3. Position the mechanical operations counter (Fig 2.) over the two holes provided inside the mechanism bracket, ensuring the indicator face is aligned to show through the window in the cover.

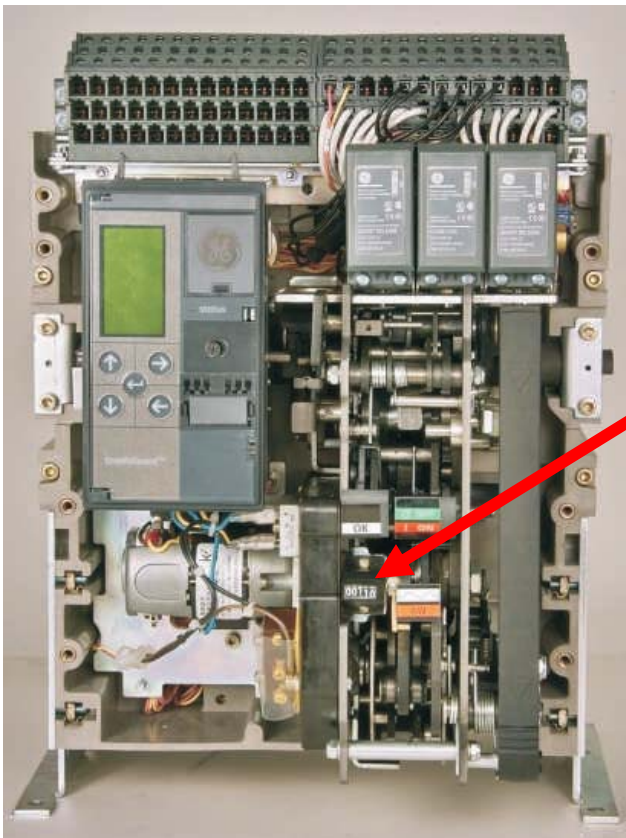


Figure 2.

4. Mount in position using the screws provided and apply torque 2.5-3Nm (1.84-2.21 ft-lbs).



Figure 3.

5. Ensure the operating arm (B) on the counter rides over the spring charging link (A) of the circuit breaker mechanism (Fig.4).

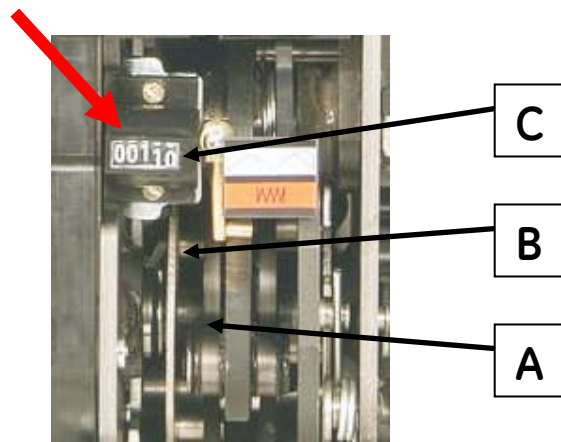


Figure 4. Operations Counter Location
A) Spring charging link B) Operating arm C) Operations Counter

6. To Reinstall the cover, rotate the charging handle down and slide the front cover over the handle to assemble the front cover to housing as shown in Fig. 5.



Figure 5.

7. Ensure the fascia is aligned properly with the trip unit and the pad lock features of the breaker.

8. Fasten the 6 mounting screws of fascia with the housing using a pozidrive screwdriver. Apply torque of 6 Nm (4.42 ft-lbs).

These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the ABB Inc.

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