

GEH-707 Installation Instructions

Sealable Trip Unit Cover

For Spectra® RMS Molded-Case Circuit Breakers
with *microEntelliGuard*™ Trip Units

For Catalog Numbers SPCOV1C, SPCOV3C

WARNING: Danger of electrical shock or injury. Turn power OFF ahead of the device before installation or modification. Do not remove circuit protective devices until the power is OFF.

Introduction

These instructions cover the installation of the sealable, clear plastic cover for Spectra® RMS SG and SK frame circuit breakers with *microEntelliGuard*™ trip units, as shown in Figure 1.

Sealing the cover in accordance with the National Electrical Code, paragraph 240-6 exception and paragraph 240-82, allows an ampere rating equal to the adjusted long-time pickup setting (current setting) and therefore permits conductors to be sized to the setting. The cover also prevents removal and changing of the rating plug.

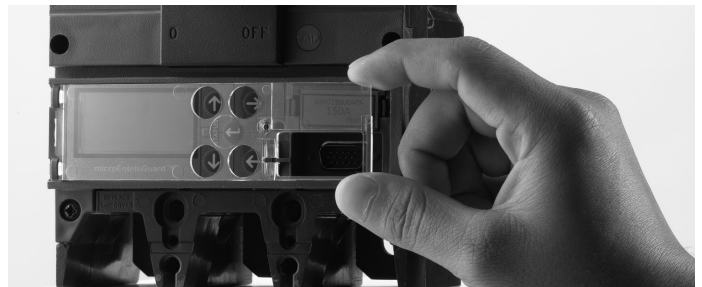
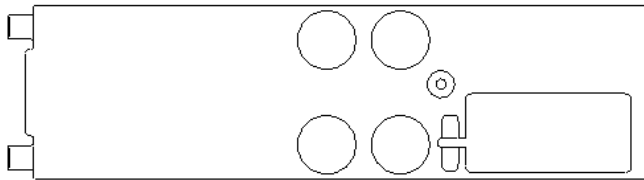


Figure 1. Sealable trip unit cover installed on a Spectra® RMS circuit breaker

Two covers are available, as illustrated in Figure 2.

- SPCOV1C is the standard cover supplied with SG and SK frame breakers with *microEntelliGuard*™ trip units. Four holes permit access to the arrow keys for viewing selected functions and settings. The ENTER key is not accessible, so settings cannot be changed without breaking the seal and removing the cover. A hole over the test kit jack allows connection with 24 Vdc control power for viewing the trip targets on a tripped breaker.
- SPCOV3C is an optional cover for Spectra RMS SG and SK breakers. It has no holes and must be removed to access the keypad for changing settings and to connect 24 Vdc control power at the test kit jack.



SPCOV1C



SPCOV3C

Figure 2. Sealable cover hole patterns

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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 GE Company.

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Installation

Press the screw insert into the hole in the center of the trip unit. Thread the flat-head Philips screw through the hole in the cover and into the insert in the breaker. Remove the protective film on the cover and seal as shown in Figure 3.

Seals And Sealing Wire

Sealing wire must be purchased separately. Use 0.050-inch [1.25 mm] maximum diameter flexible wire or zip tie. To seal a trip unit use the method shown in Figure 3.

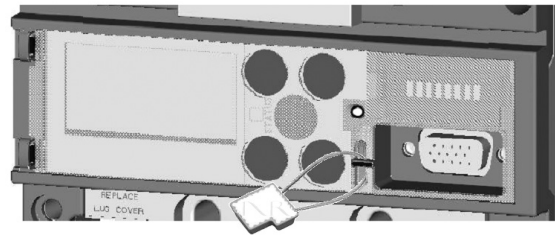


Figure 3. Sealing method for the *microEntelliGuard*™



imagination at work