Installation Instructions:

RSCAC-1333-P-240-A
RSCAC-1333-PS-240-A
RSCAC-1333-PH-240-A

RSCAC-1333-P-240-A

RSCAC-1333-PS-240-A

RSCAC-1333-PH-240-A

Contents

1.0 Copyright

1.1 Disclaimer

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1.2 Warnings

Please read this manual prior to use to become familiar with the product's numerous features and operating procedures. To maintain the maximum degree of safety, follow the sequences as outlined.

Before using the product, read all instructions and cautionary markings on the product and on any equipment connected to the product.

CAUTION – Unless otherwise noted, product usage that is not recommended or sold by the product manufacturer can result in risk of fire, electric shock, or injury to persons.

CAUTION – Do not operate the product if it has been damaged in any way. Return damaged products to Raycap for repair or replacement.

CAUTION – Do not disassemble the product. Incorrect re-assembling can cause the risk of electrical shock or fire.

WARNING – Disconnect or disable the AC power source to the product prior to beginning its installation. Ensure that the AC power source to the product remains de-energized until the completion of the installation and after all connections have been verified to be correctly configured.

For conditions other than those described above, please phone a Raycap Account Representative at (208) 777-1166, (800) 890-2569 or www.raycap.com

Thank you for choosing quality products from Raycap

2.0 Introduction

The small cell architecture is a crucial component of 4G LTE and 5G networks because they increase network capacity, density and service coverage to the end user for both in-building and outdoor wireless service. Newer small cell designs include clusters of 'virtualized cells' run from a central controller, and low power remote radio heads. Small cell equipment is exposed to the elements on street lights, utility poles, buildings and other structures powered and connected by copper cabling. Power runs along this conductive path, making the active equipment at each site vulnerable to damage by direct lightning strikes. Protection systems installed in front of both the BBU and the RRH must be able to withstand direct lightning currents in order to protect the sensitive equipment. Raycap's small cell solutions featuring Strikesorb® SPD technology significantly enhance the reliability & availability of the site by providing superior electrical protection.

3.0 Raycap AC Disconnect Package Contents

1 each
Enclosure, Mounting Hardware
Metal Mounting Bracket
Bracket Hardware Kit

Note:

- **Models with "-PS" in the model number** incorporate a Shunt Trip for emergency disconnect means from outside of the enclosure
- **Models with "-PH" in the model number** have the option of a screw down hingless lid design for use in tight quarters, such as inside light pole Small Cell structures

3.1 Prerequisites

This document describes how to install the RSCAC-1333-P/PS/PH-240-A on-site and how to mount, and connect it to external interfaces.

Installers of Raycap's RRH surge protective and power management solutions must be industry professionals who have attended training on the proper installation of the equipment by Raycap and/or the mobile operator. Installers are required to read this installation guide thoroughly prior to installation of the Raycap RRH protection equipment.

3.2 Required Tools & Supplies

7/16" Nut driver (mounting bracket)

Wire cutter

Wire strippers

#1 Philips head screwdriver

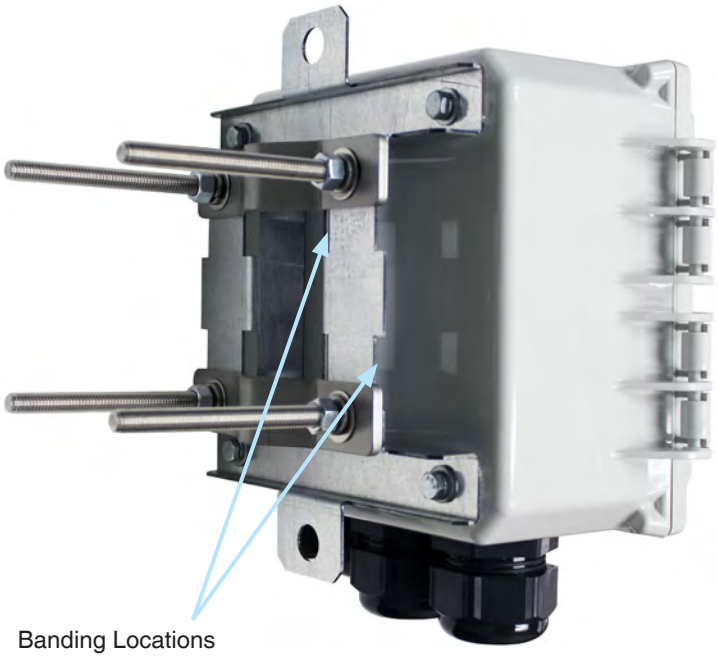
Procedure
Mounting the Bracket

4.1 ***Enclosure mounted on bracket***

4.2 ***Option 1: Pole Mount***
Pole mount can be used in horizontal or vertical configuration.

4.3 ***Option 2: Monopole***

4.4 ***Option 3: Unistrut***
Metal mounting bracket NOT used



Banding Locations

Procedure
Port Definitions

5.1 See picture to identify
Base Port
Assembly Definitions

5.2 **Torque Values for Sealing Cable Glands**

AC Cables: 44.2 in-lb (5.0 N-m)

AC (In) Ground AC (Out)

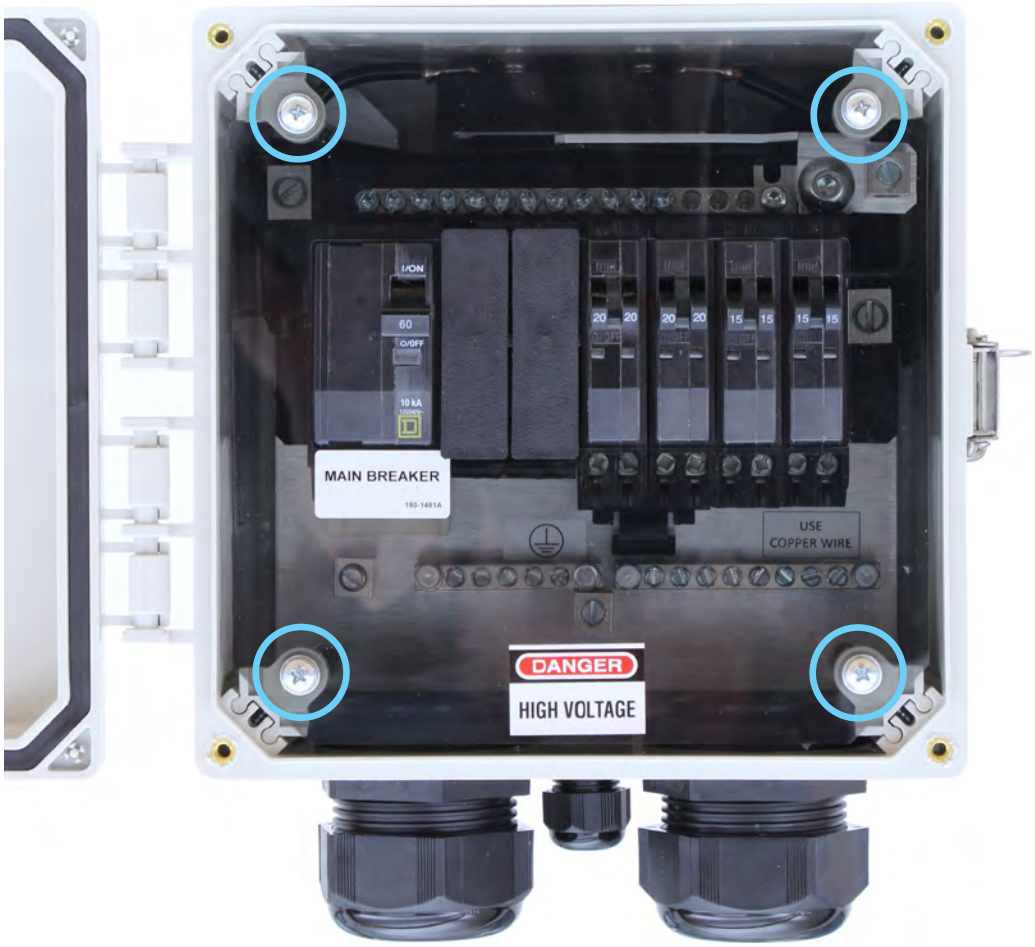
Procedure

Wiring Configuration

6.1 Loosen the 4 thumbscrews (RSCAC-1333-PH-240-A) on outside cover or unclasp latch to open cover.

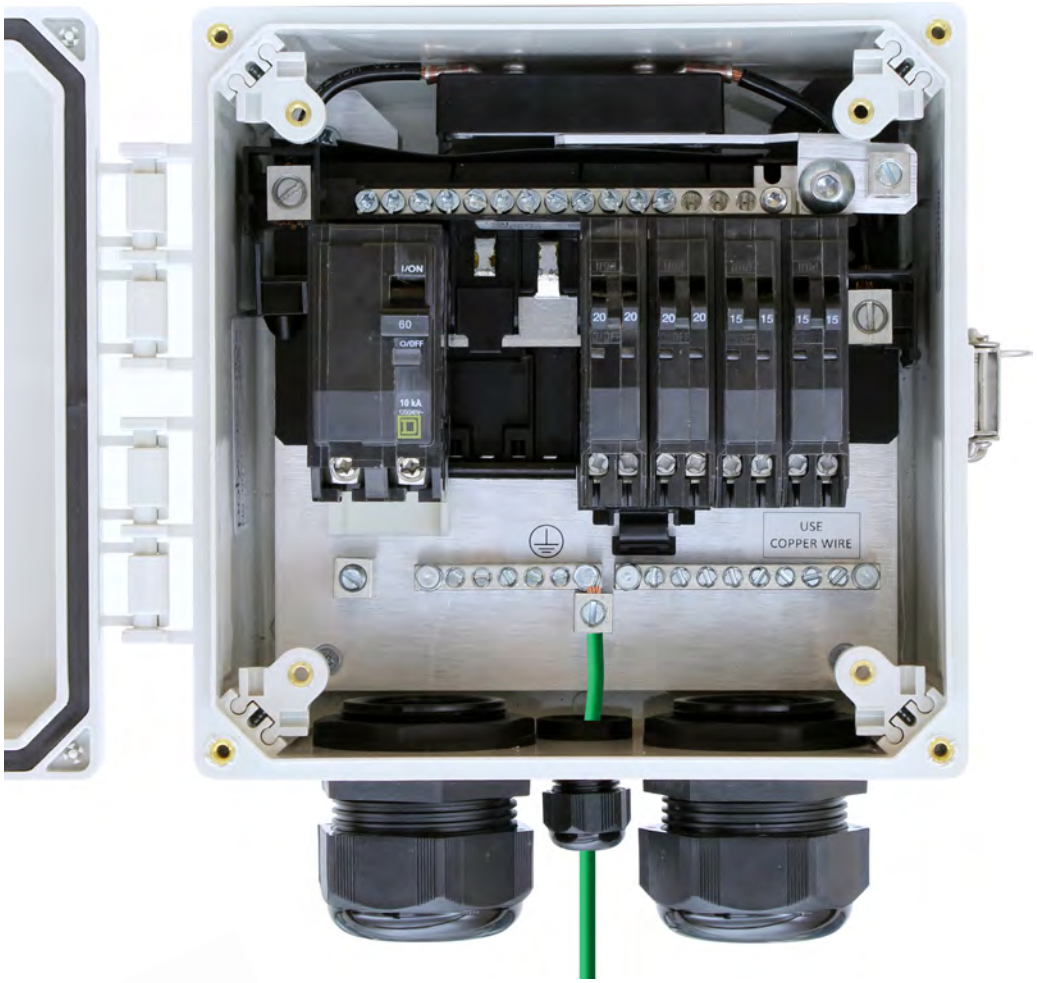
6.2 Flip all breakers to “OFF” position to ensure there is no power to circuits.

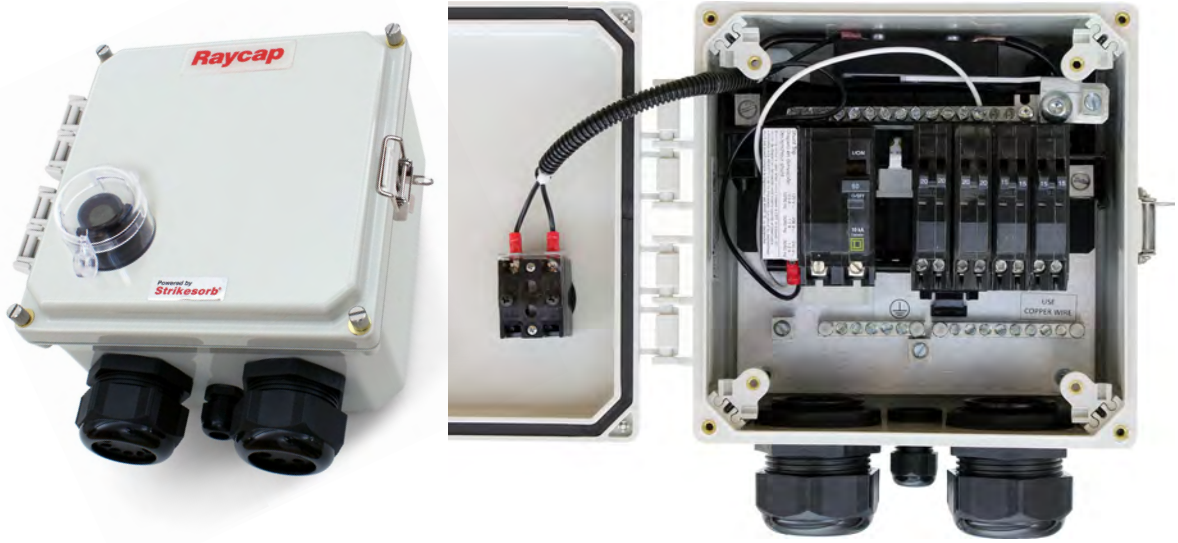
6.3 Remove (4) Philips head screws and set the screws and dead-front aside.



6.3 **NOTE:** *Suitable for Use Service Entrance (SUSE).*

6.4 Install Ground Cable as shown.

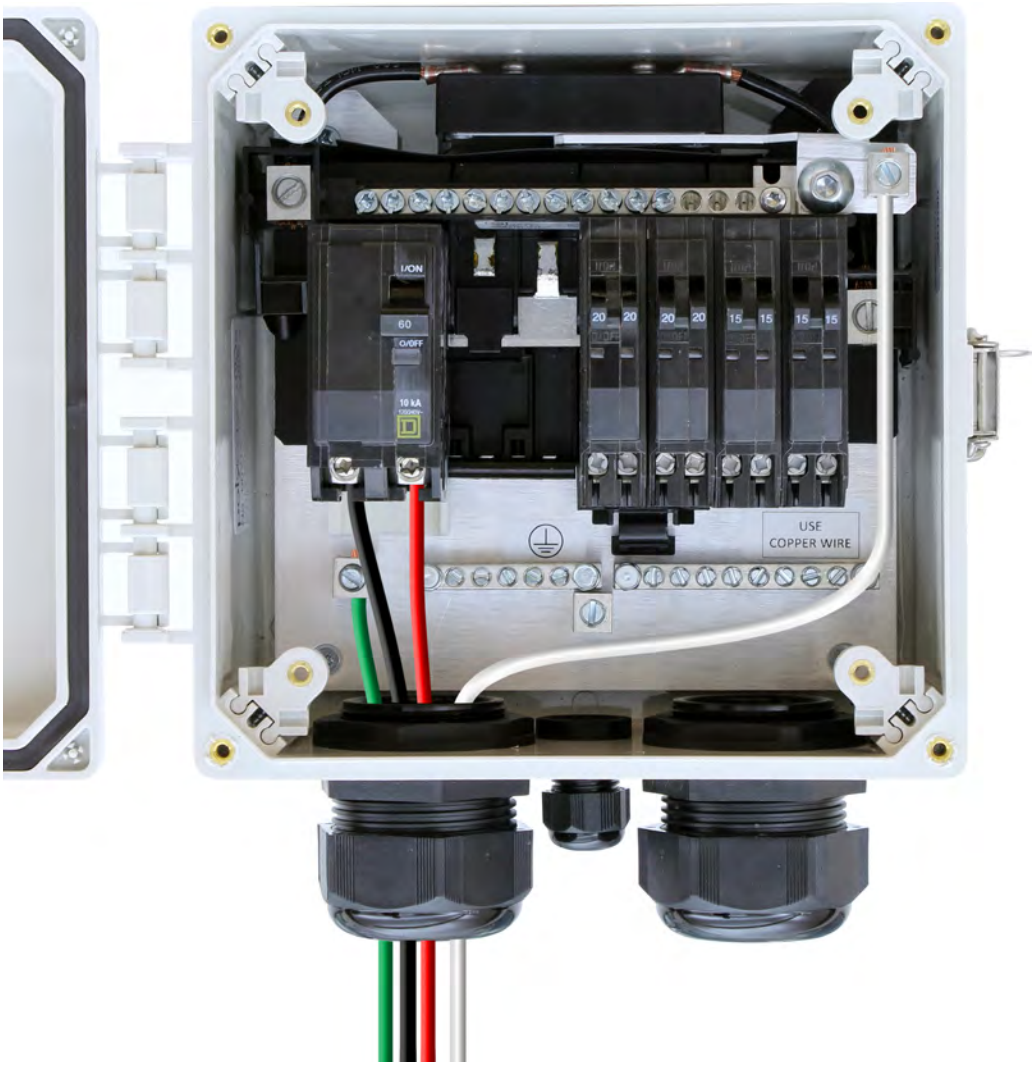




RSCAC-1333-PS-240-A (Shunt Trip version shown)

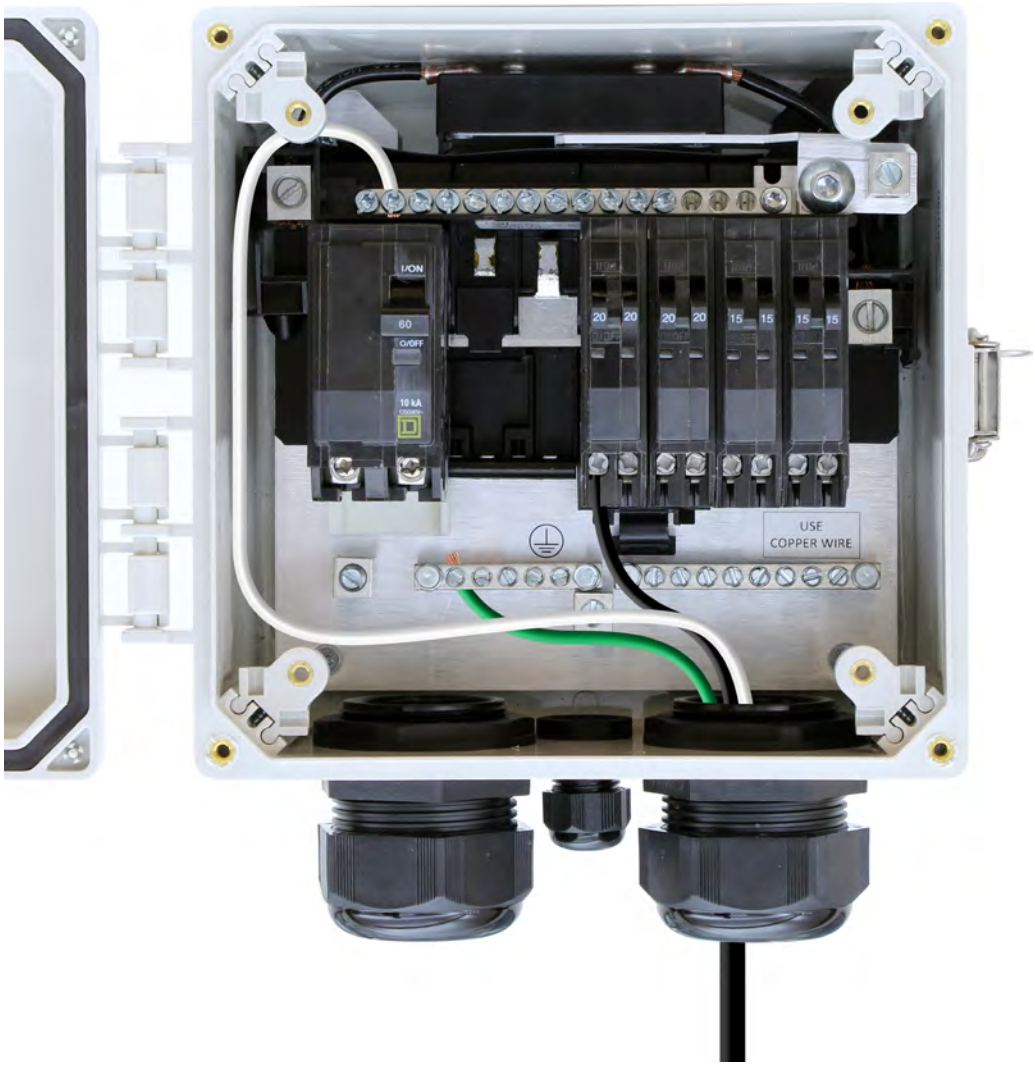
6.5 Install AC Power “IN” as shown.

Note: *Ground Cable not shown for clarity.*



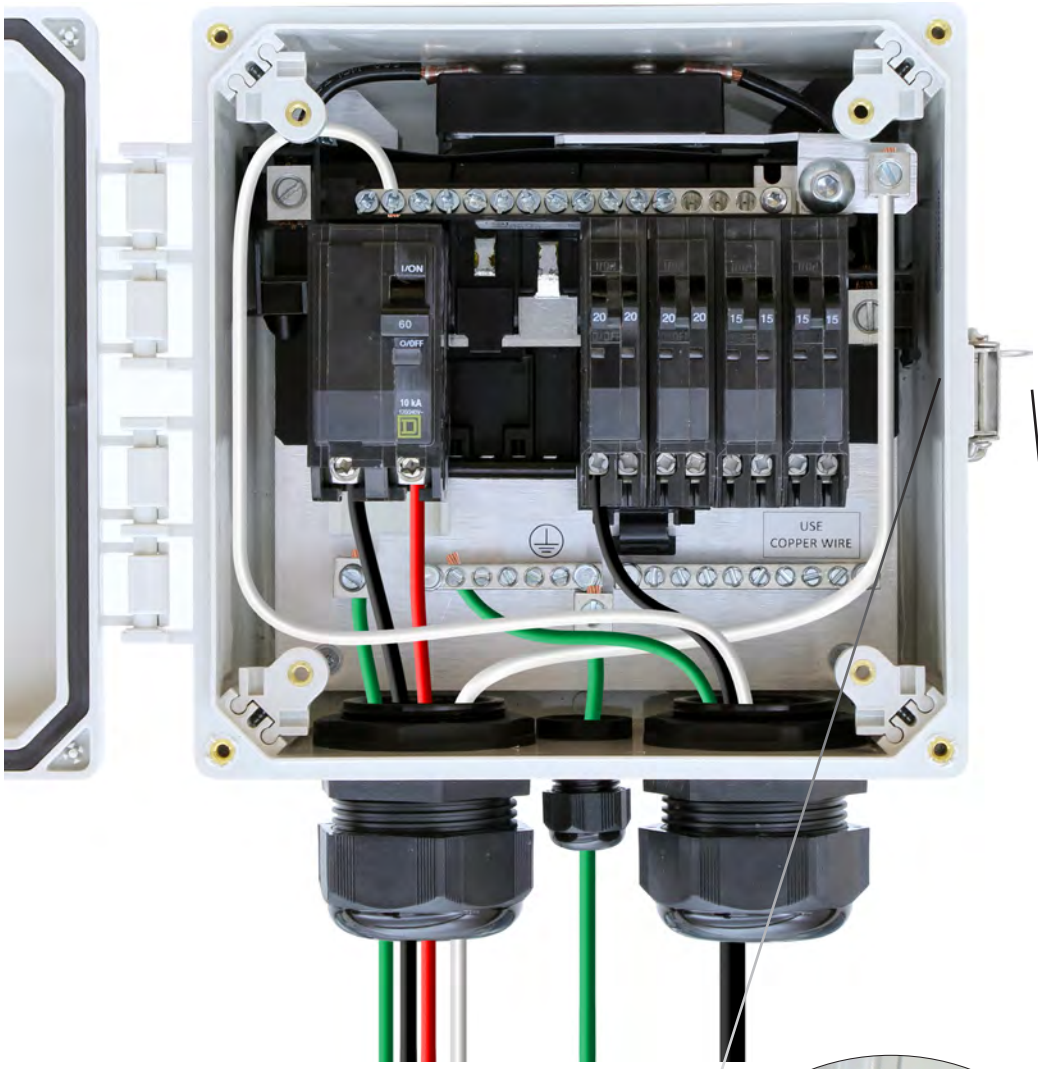
6.6 Install AC Power “OUT” as shown.

Note: *Ground Cable and AC Power IN Cables not shown for clarity. One of available eight circuits installed.*



6.7 Ground cable, AC Power (IN) and AC Power (OUT) (1 circuit) installed.

6.8 Replace dead-front, flip breaker “ON” to power circuits.



Procedure

Closing and securing unit

7.1 Close cover. Secure cover clip (if equipped) and tighten the 4 thumbscrews.

7.2 Installation Complete.

Optional Lock-Out Feature

8.1 With cover clip engaged, secure with lock (not provided).

Note: *Clip not equipped on the RSCAC-1333-PH-240-A, therefore there is not a lock-out feature.*