

Overview

The AES 7177-RT is a side car enclosure to add Cellular to a 7177 Hybrid subscriber. Hybrid can power the router but **requires reviewing battery calculator to verify backup power will accommodate NFPA requirement.**

Enclosure supports the following cellular router:

- Cradlepoint S450

Router Kit Includes:

- (1) P/N: 56-7177-RT (Router) w/ (2) antenna
- (1) P/N: 13-7177-RT (Power Cable)
- (1) P/N: 09-0401 (6-32 3/8 Pan Phil)
- (1) P/N: 09-0014 (6-32 5/8 Phil Pan) *If FACP is installed
- (2) P/N: 09-1006 (Nut 6-32 X 1/4)
- (1) P/N: 13-0427 (Ethernet Cable 2' RJ45)
- (1) P/N: 09-2679 (1/2" Bushing)

Mounting instructions

Compatible with 7177 Hybrid Enclosure.

***Disconnect power to Subscriber prior to installation.**

Step 1: Knock out hole on right side of Hybrid enclosure. Install AES P/N 09-2679 1/2" bushing into the hole.



Step 2: Line up magnets with the mounting hole on the top left side of the enclosure and insert screw through the top left hole. Attach P/N: 09-1006 to screw for added security.

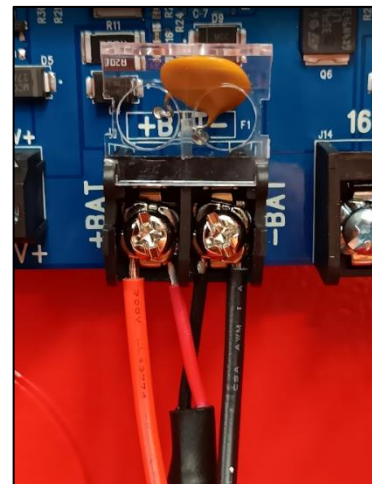


Step 3: Screw the bottom of the 7177-RT enclosure to Hybrid enclosure using the tab with P/N: 09-0401 and add P/N: 09-1006 nut on inside.

If FACPA is present, will require use of the longer screw.



Step 4: Insert 13-7177-RT power cable thru knocked out hole from Step 1. Connect wires to positive and negative battery terminals on the subscriber board. Connect the other end of the power cable to the router.



Step 5: Connect one end of 13-0427 ethernet cable to the router ethernet port and connect the other end to the subscriber ethernet port.



Refer to the following table for information about the LED Display.



LED DISPLAY	BEHAVIOR
●	No Light = Powered off.
☀	Blinking White = WAN online and not connected to NetCloud Manager.
○	Solid White = Connected to NetCloud Manager.
☀	Blinking Green = Modem is connecting.
☀	Blinking Yellow = Modem is in the process of resetting.
●	Solid Red = Offline.
☀	Blinking Red = Data connection error. No modem connection possible.
☀	Blinking Cyan = Factory reset.

LED DISPLAY	CELLULAR HEALTH MODE BEHAVIOR		
☀	☀	Flashing red	Poor Cellular Health = Cellular health is below 25%.
	☀	Flashing yellow	Fair Cellular Health = Cellular health is 25-49%.
	●	3 seconds on, 1 second off	Good Cellular Health = Cellular health is 50-74%.
	●	Solid blue	Excellent Cellular Health = Cellular health is 75-100%.
	●	Solid green	

Battery Requirement:

Configuration	Battery Size
7177-RT w Intellipro	14 aH
7177-RT no Intellipro	10 aH

*NFPA 24 Hour back up

Router Technical Specifications

Power Supply

Router has a max draw = 320 mA.

Typical draw = 210 mA (Depends on signal strength)

Standby current is 90 mA

Environmental Specifications

Operating Temperature: 32°F to 120°F (0°C to 49° C)

Storage Temperature: 14F° to 140°F (-10° to 60° C)

Relative Humidity: 0 to 93% RHC, Non-Condensing

Mechanical Specifications

Size: approximate – 2.9 x 4.35 x 9.14 inches (7.5 x 11.1 x 23.2 cm)

Weight 2.95 lbs (1.33 kg)

AES SERVICE PROCEDURE:

Contact AES by Phone (978) 535-7310, Fax (978) 535-7313 or Email service@aes-corp.com, to receive a Return Material Authorization Number. Have the AES part number and serial number ready. Repack equipment in original or equivalent packaging. Inside the box, please include a contact name, telephone number, address and a brief description of the reason for return.

Ship items freight-prepaid to:

Repair Services, RMA# _____

AES Corporation,
285 Newbury Street

Peabody, MA 01960 USA

(Contact AES for Return Material Authorization number.)