

## LTE Accessory Kit Installation Manual

### PCLTE1

### Kit Contents

Quantity	Description
1	GL7500 LTE Modem
1	LTE Antenna
1	USB Cable
2	Dual Lock Fasteners

### Tools Required

- Needle Nose / Combination Nose Pliers
- Flat Head Screwdriver



**⚠ DANGER**

Electrocution. Never touch terminals when inverter and PWRcell DC disconnects are ON. Doing so could result in death or serious injury.

(000686)



**⚠ DANGER**

Electrocution. Do not wear jewelry while working on this equipment. Doing so will result in death or serious injury.

(000188)

**⚠ DANGER**

Automatic start-up. Disconnect utility power and render unit inoperable before working on unit. Failure to do so will result in death or serious injury.

(000191)



**⚠ WARNING**

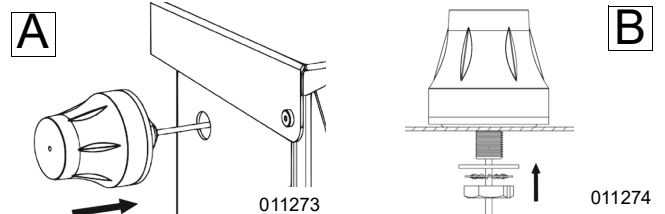
Electrocution. Potentially lethal voltages are generated by this equipment. Render the equipment safe before attempting repairs or maintenance. Failure to do so could result in death or serious injury.

(000187)

### Instructions

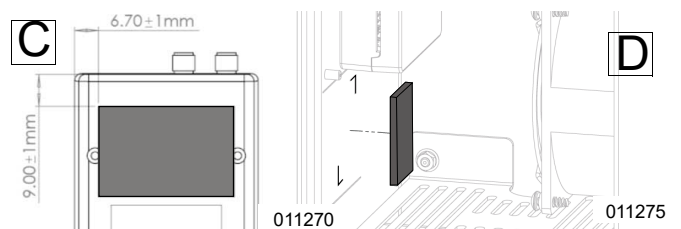
**NOTE:** Competent, qualified personnel should install, operate, and service this equipment. Strictly comply to local, state, and national electrical and building codes. When using this equipment, comply with regulations established by the National Electrical Code (NEC), CSA Standard; the Occupational Safety and Health Administration (OSHA), or the local agency for workplace health and safety.

1. Initiate an inverter shutdown by pressing the red Shutdown button on the inverter front control panel.
2. Allow DC voltage to drop below 10VDC.
3. Open all PWRcell DC Disconnects and verify DC voltage reported on LCD screen has dropped to below 10VDC.
4. Disconnect AC Grid source to inverter and wait for Inverter LCD screen to turn off.
5. Ensure all sources of AC and DC Power are disconnected.
6. Open inverter front cover to horizontal and push inward to lock in the open position.
7. Cover the top of the DC Breaker assembly to prevent debris from entering. Proceed to remove the knockout for the antenna, located on the upper left-hand side wall of the inverter enclosure.
8. Insert LTE antenna (A) and secure with included washer and nut (B). Check antenna gasket is evenly seated and nut is sufficiently tightened to create watertight.

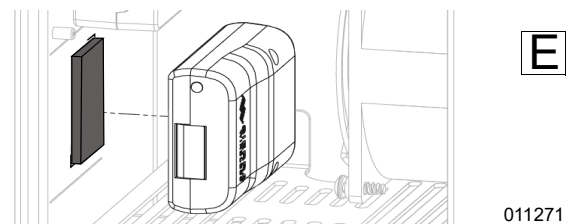


9. If inverter does not include a mounting bracket:

- Apply one Dual Lock fastener to the back of the LTE modem (on the gray area shown in image C).
- Apply second Dual Lock to the alignment marks on the inverter left side wall (D).

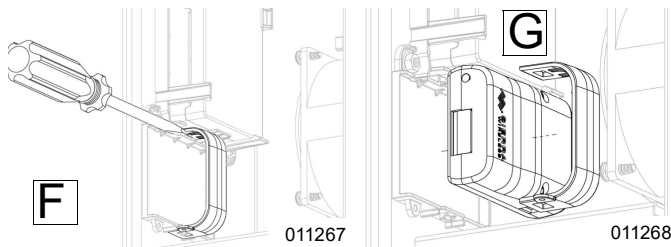


- Follow wiring diagram on the backside to complete modem installation.
- Align the modem with the top and bottom alignment lines, press the modem until the Dual Locks are fully engaged (image D).



#### 10. If inverter includes a mounting bracket:

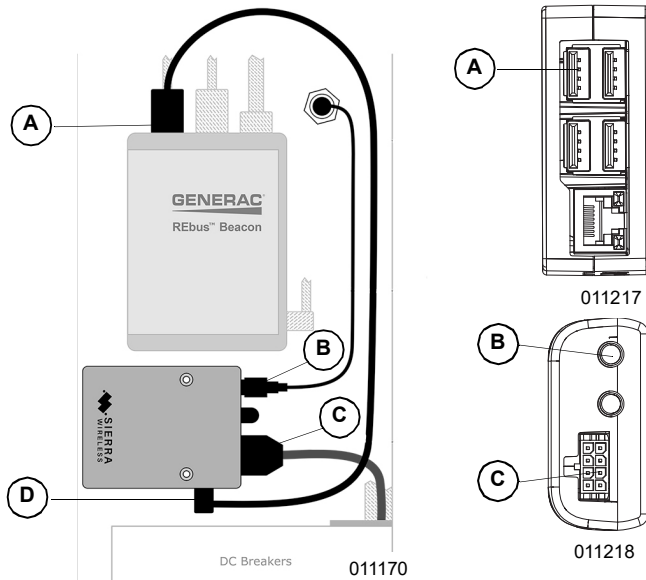
- Separate bracket arm by prying top clip with a flat head screwdriver (image F).
- Follow wiring diagram on the backside to complete modem wiring.
- Place modem onto bracket base and secure with bracket arm (image G), make sure both top and bottom clips are latched.



11. Close front cover and power on inverter.

12. Follow install verification steps below to confirm everything is in working order.

### Inverter Side View



1. Plug the included USB cable into GL7500 modem's USB micro-B port (D), then plug the other end into Beacon's USB type-A port (A).
2. Insert and tighten the SMA connector from the LTE antenna assembly into GL7500 modem SMA port (B).

**NOTE:** The side SMA port should be used: the protective cap on the center SMA port should be left on the connector.

3. Locate the free hanging 8-pin connector cable from above the DC breakers. Insert the connector into GL7500 modem (C).

### Install Verification

1. Navigate to the Beacon device page on the PWRcell Inverter control screen and press the center button.
2. Select the 'Installer Tool' item from the menu and click 'Confirm'. This will activate the Beacon's Wi-Fi network.
3. Use a smart phone or laptop to connect to the Wi-Fi network 'REbus\_Beacon\_xxxx', where xxxx is the last 4 digits of the RCP number found on the front of the Beacon.
4. Enter the password (labeled "CODE") found on the back side of the Beacon.
5. Open a web browser and enter '10.10.10.10' in the address bar to access the installer tool page.
6. Select 'RGM/LTE Kits' on the left panel. Check the LTE Kit Status to verify the kit has been installed correctly. LTE Kit Status should read **"Installed"** when unit is installed correctly. **"Not Found"** is displayed when unit is incorrectly installed

GENERAC®		RGM / LTE Kit Status	
		This page shows the status of any connected optional kits.	
Inverter 00010007		Revenue - Grade Meter (RGM)	
Beacon 00010012		RGM Kit Status:	Not found
Battery 00010008		LTE Cellular Modem	
PV 00010003		LTE Kit Status:	Installed
PV 00010003		IME1:	3568150800XXXXX
PV 00010003		IMSI:	2345000204XXXXX
PV 00010003		Signal Strength:	>-51 dB-m
PV 00010003		Data Usage (Tx Rx):	12 MB / 5 MB
Owner Information		Active Since:	Thu, 07 May 2020 17:12:23 GMT
Compliance PDF Proof of Compliance			
RGM / LTE Kits			