# Wattstopper®

RACCESS-R Retrofit Kit for LMNC and LMSM-ENC1

No: 26599 – 7/25 rev. 5

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

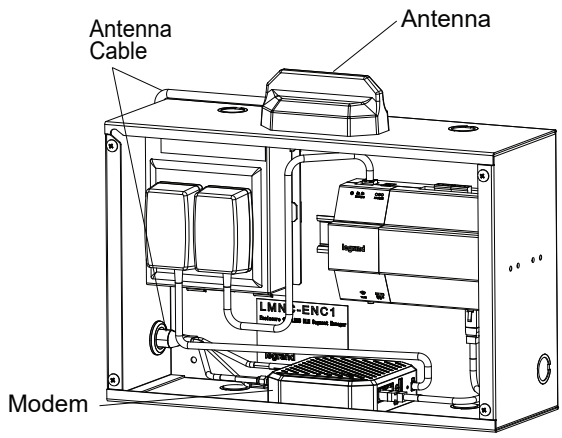
**Catalog Numbers • Les Numéros de Catalogue • Los Números de Catálogo: RACCESS-R**

Country of Origin: Made in U.S.A • Pays d'origine: Fabriqué en Etats-Unis • País de origen: Hecho en Estados Unidos de America

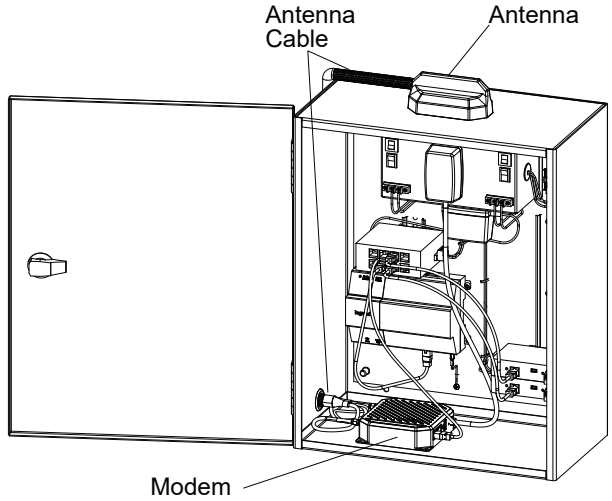
## DESCRIPTION

The Wattstopper retrofit kit includes a dedicated 4G LTE modem that is pre-activated for cellular use and pre-configured out of the box to enable secure remote access. No device configuration is required.

**Once installation is complete, contact the Remote Operations Center (ROC) at 888-740-7950 to verify signal strength of the modem.**




**LMNC-ENC1 with RACCESS-R kit components installed**




**LMNC with RACCESS-R kit components installed**

## PREPARE ENCLOSURE

The following instructions are for installing a remote access retrofit kit into an LMSM-ENC1 and LMNC-xx enclosure for use with a DLM network system containing an LMJA Network Controller.

1. Disconnect power from the enclosure.
2. **For the LMNC-ENC1 enclosure**: Remove knockout on lower left side of enclosure.

   **For the LMNC-xx enclosure**: Drill a 1" OD hole in the lower left side of enclosure. Recommended location is 2" up from bottom of enclosure and 4.25" measured from the back of the enclosure.

   **Warning—Remove all metal drill filings from inside enclosure, to prevent any filings from contacting any electronics within the cabinet, before continuing to next step**
3. Insert rubber grommet into hole.

## MOUNT ANTENNA

### Enclosure Mounted (Preferred method)

The antenna may be mounted to the top or bottom of the enclosure. The orientation of the antenna must be vertical as shown above. The base of the antenna is magnetic, no additional mounting hardware is necessary.

### Remote Antenna Mounting

The antenna can be mounted away from the enclosure in situations where 1.) space does not allow for mounting vertically on the enclosure, or 2.) as a means to improve signal quality. The antenna comes with a 12.5 foot cable and the magnetic base will adhere to any ferrous metal surface. An 8 foot extension cable is also available.

## INSTALL CELLULAR MODEM

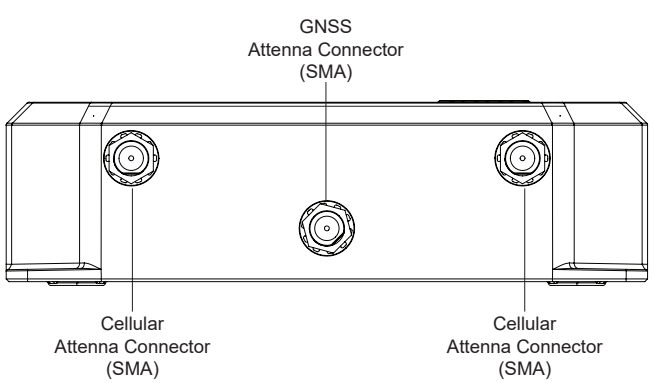
The cellular modem is shipped with a Velcro adhesive fastener for easy installation to the inside bottom surface of the enclosure.

**Warning—Before mounting modem, clean the enclosure surface with Isopropyl alcohol.**

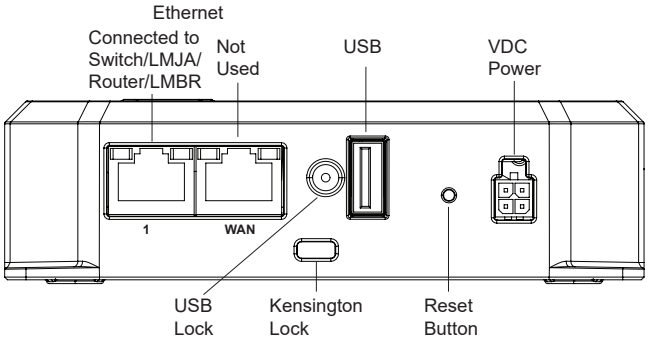
**NOTE:** The Modem ships with optional mounting bracket and additional antennas that are not required for standard installation described in this instruction. Do **not** use these antennas if the Modem is installed inside the cabinet.

**NOTE:** Wi-fi is disabled for security purposes.

Remove the backing from the adhesive side of the Velcro fastener. Position the modem so the RJ45 Ethernet ports are facing the right side of the enclosure. Press modem firmly to bottom surface of enclosure for 15 seconds.




**Front**




**Back**

### Modem Connectors

### Connect the Antenna

Pass the antenna cable through the grommet hole into the enclosure. With the end of the cable inside the enclosure, connect each SMA antenna connector to the Cellular Modem SMA connectors. It doesn't matter which end goes to which connector. Do not over tighten with tools. Coil and tie wrap any excess cable length within the enclosure being careful not to kink the cable.

### Connect power to modem

Plug power supply into electrical outlet inside the enclosure.

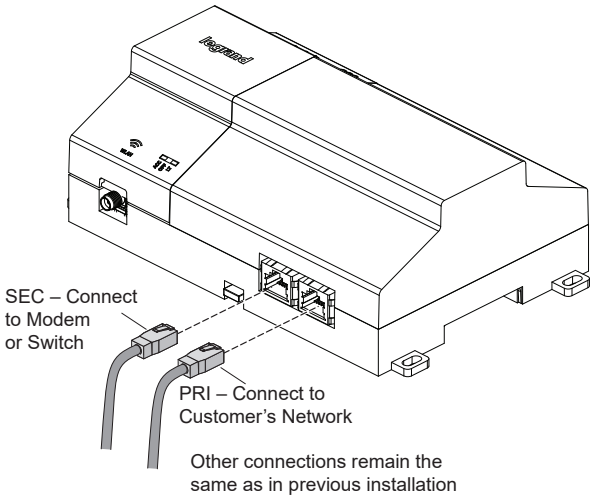
Connect power supply to modem.

Ensure power is switched on, using the power switch on the front panel of the modem. The Power LED will light.

### Connect Modem to DLM Network

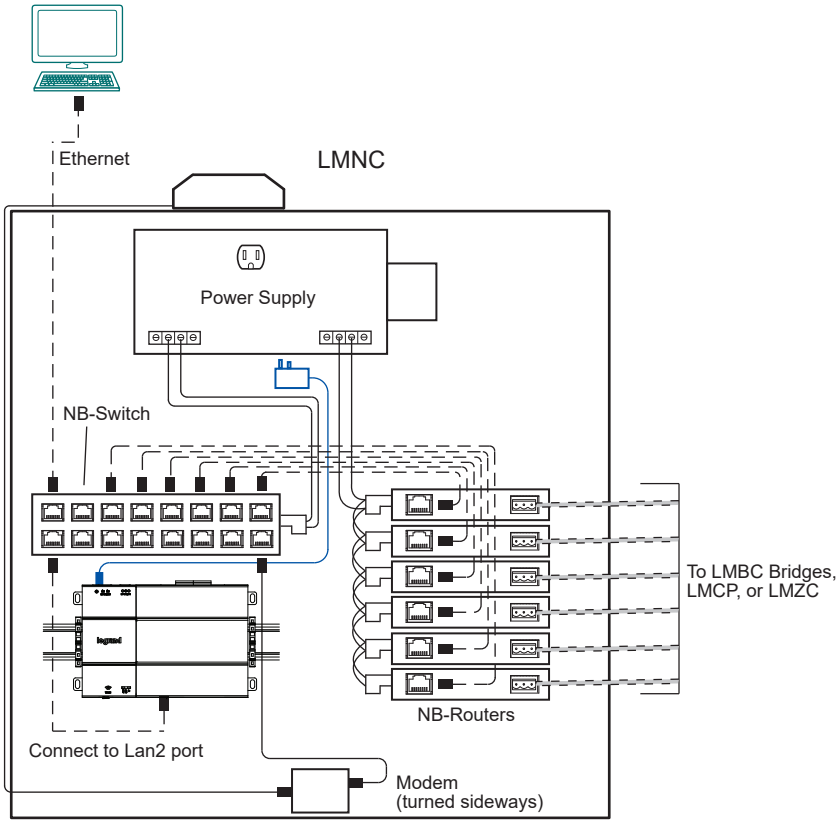
#### If Using an LMNC-ENC-1

Connect an ethernet cable from the left port of the Modem to the left port (labeled SEC) of of the LMJA-8xx, or a switch if using.



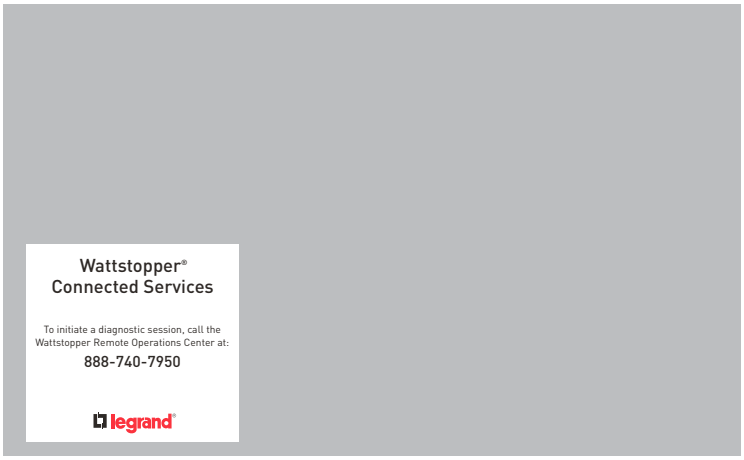

#### If Using an LMNC-xx

Connect an ethernet cable from the modem to any available switch port.




## APPLY CONNECTED SERVICES STICKER

Locate Wattstopper Connected Services sticker and apply to the front lower left corner of the enclosure door.




This completes the installation; your modem should now be activated. Please remember to **call the ROC** at this point to confirm the modem has good signal strength.

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