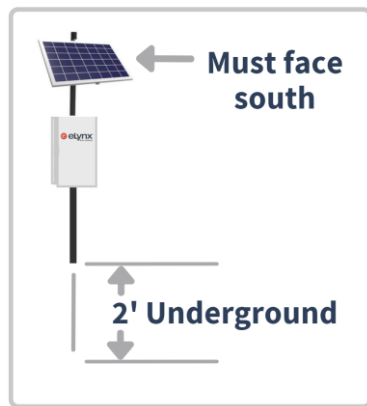


# Continuous Pressure Monitoring Wiring & Installation

The kit is intended to be mounted on a 10' x 2" conduit pole.

## Solar Panel

1. Mount the solar panel to the 2" pole using the provided 2" U-bolts.
2. Make sure the panel is facing south and has an unobstructed view of the sky to allow for maximum charging.
3. Use zip ties to secure the excess wire to the pole.
4. Run the solar panel wire into one of the enclosure's side cord grips.



## Enclosure

1. Mount the enclosure beneath the solar panel onto the 2" pole, at eye level, using the provided hose clamps.

## Antenna

1. Install the MIMO antenna by peeling the protective cover off the self-adhesive backing, place it on top of the enclosure, and push down to ensure a secure bond.
2. Run the antenna wires into one of the enclosure's side cord grips.
3. One coax cable labeled "Main" will be screwed onto the connector labeled "Cell."
4. The other coax cable labeled "Aux" will be screwed into the connector labeled "Diversity."

## Pressure Transmitter

1. Install the pressure transmitter inlet port into the valve at the point you want to monitor pressure such as valve on pipeline or valve riser.
2. Use Teflon tape on port threads to ensure sealed connection.
3. After transmitter is installed, open the valve and check for leaks.
4. Run the wiring from the pressure transmitter into the enclosure via a 1/2" cord grip.
5. Connect the black wire from the transmitter to bottom terminal strip #8.
6. Connect the Signal wire from the transmitter to bottom terminal strip #9.
7. Connect the 12V+ red wire from transmitter to bottom terminal strip #6.

## Power

### Battery

The battery will be placed in the bottom of the enclosure.

1. Connect red wire from battery positive to bottom terminal strip #3.
2. Connect black wire to negative to bottom terminal strip #4.

### Solar Panel

1. Connect black or blue wire to match negative on bottom terminal strip #2.
3. Connect red or brown wire to match positive on bottom terminal strip #1.

### Solar Charge Controller

The wiring between the controller and the terminal strip has been prewired for you.

**WARNING:** When wiring the battery and solar panel to the terminal blocks, always connect the battery first, then the solar panel. When removing wires from the terminal blocks, reverse the above action and disconnect the solar panel then the battery. Connecting the solar panel to the terminal blocks with no battery load can possibly damage the solar charge controller.

## Modem

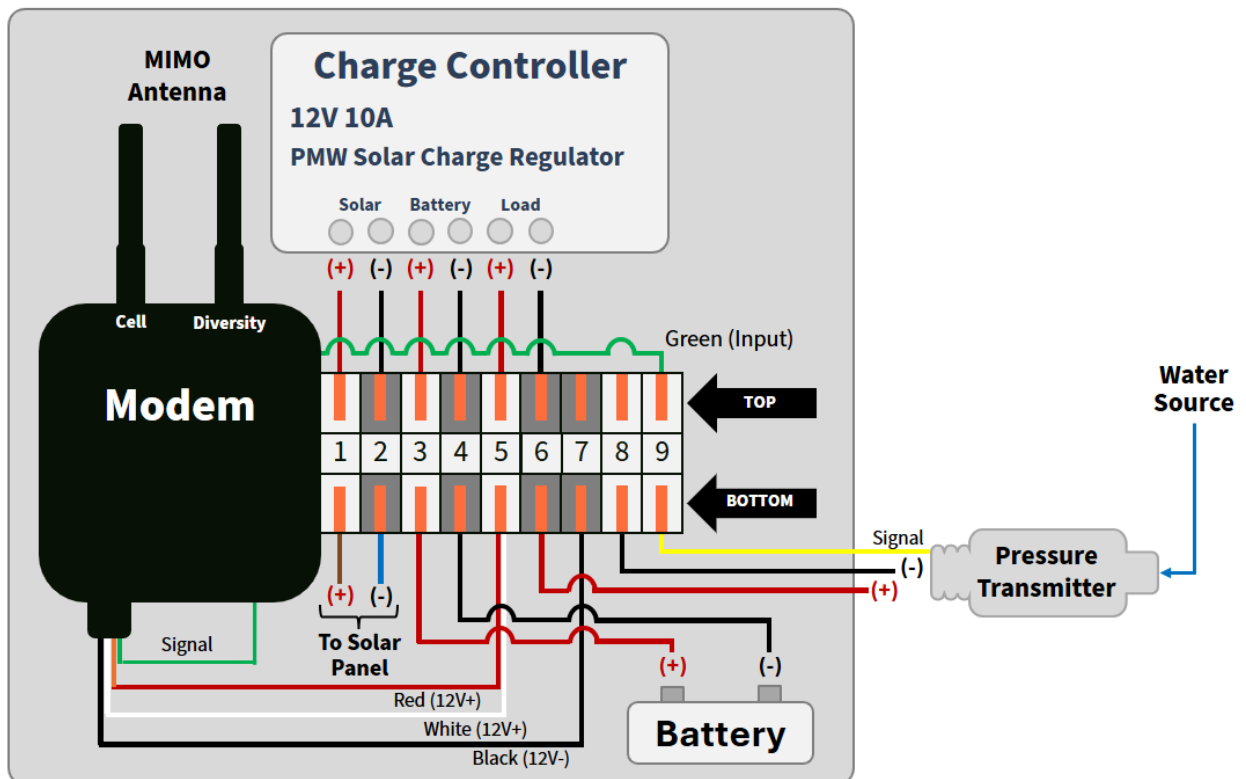
The wiring between the modem and the terminal strip has been prewired for you.

When powering up for the first time it can take several minutes for the modem to register to the network.

1. When power is applied the power light will turn red and stay red for up to 30 seconds, it will then turn Green and start searching for available carriers.
2. The Network and Signal lights will then both turn Red and begin flashing indicating its searching.

3. When a Network is found, the LED will turn Green and begin to blink, once locked to a carrier it will turn to a solid Green.
4. The Signal LED will continue to flash and may turn solid.
  - Flashing/solid Green LED indicates very good signal.
  - Flashing/solid Yellow means good/ok signal.
  - If the Signal LED is flashing/solid Red, this means it has a poor/weak signal.

## General Input Layout



**Note:** Transmitter signal wire color may vary. Due to supply chain issues, we might have to order different size transmitters that have different PSI ratings. Take note of PSI as this will be needed during the device set up process. If you are unsure about wiring colors, please call to verify.


For installation of kits at towers, please provide the tower height and capacity to our support team. If the transmitter is installed above or below ground, we need to know the distance from the bottom of the tower to the transmitter for accurate level calculation. Please use the support phone number below to verify.

# Mobile Application Setup

Each unit is set up in the eLynx application prior to shipment with the IMEI number of the kit for the name.

## Name Change & Latitude/Longitude

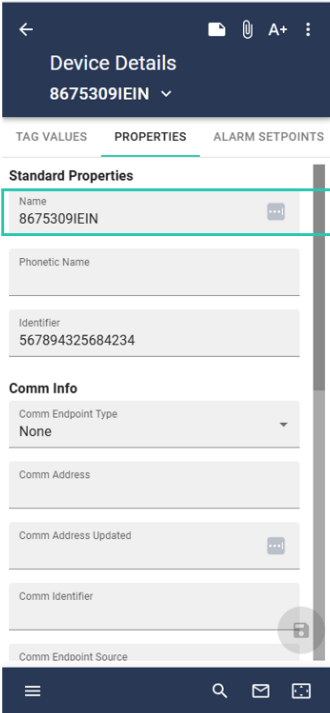
From the Summary Listing screen, locate the device you have installed and tap on the Device Name.



Device Name ↑	Device Type ▼
8675309IEIN	Water Loss
KG WLDU #1	Water Loss
KG WLDU #2	Water Loss
KG WLDU #3	Water Loss
KG WLDU #4	Water Loss
KG WLDU #5	Water Loss
KG WLDU #6	Water Loss
KG WLDU #7	Water Loss
KG WLDU #8	Water Loss

Count: 9

From the Device Details screen, tap on the Properties Tab at the top. Select, Name and enter the New Device Name.



Device Details  
8675309IEIN

TAG VALUES PROPERTIES ALARM SETPOINTS

Standard Properties

Name  
8675309IEIN

Phonetic Name

Identifier  
567894325684234

Comm Info

Comm Endpoint Type  
None

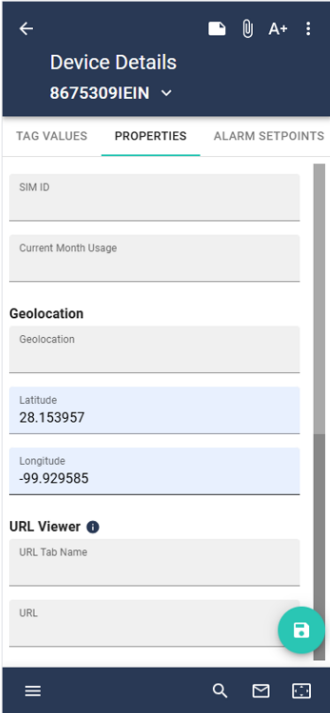
Comm Address

Comm Address Updated

Comm Identifier

Comm Endpoint Source

Scroll down to the Geolocation section and enter the Latitude & Longitude coordinates. Once complete, tap the Green Save Icon.



Device Details  
8675309IEIN

TAG VALUES PROPERTIES ALARM SETPOINTS

SIM ID

Current Month Usage

Geolocation

Latitude  
28.153957

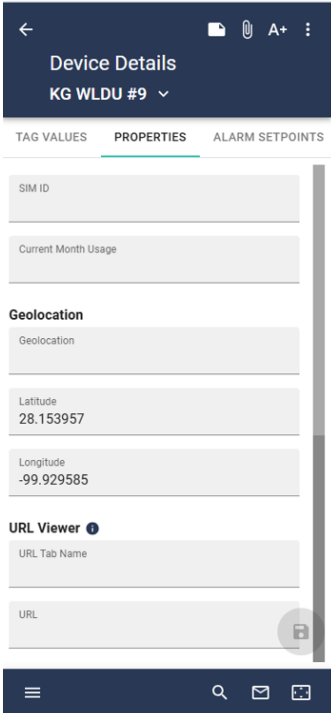
Longitude  
-99.929585

URL Viewer ⓘ

URL Tab Name

URL

The changes can take a few minutes to update in the system.



Device Details  
KG WLDU #9

TAG VALUES PROPERTIES ALARM SETPOINTS

SIM ID

Current Month Usage

Geolocation

Latitude  
28.153957

Longitude  
-99.929585

URL Viewer ⓘ

URL Tab Name

URL

# We're Here to Help

Need help or have questions? Call or email eLynx Support at: [support@elynxtech.com](mailto:support@elynxtech.com) or (866) 303-5969.

# eLynx Single Input Kit - Continuous Pressure Monitoring

## INSTALLATION INSTRUCTIONS

### 1 Conduit Pole

- Install the 2" pole 2' in the ground.

### 2 Solar Panel

- Mount solar panel with U-bolts, facing south.
- Run wire into enclosure via cord grip.

### 3 Enclosure

- Mount below solar panel at eye level using clamps.

### 4 Antenna

- Install MIMO antenna on top of the enclosure.
- Run wiring into enclosure via cord grip.

### 5 Modem

- Connect the antenna wiring to the modem ports
- Main cable to "Cell"
- Aux cable to "Diversity"

### 6 Pressure Transmitter

- Install transmitter into 1/4" NPT connection using Teflon tape.
- Run wiring into enclosure and connect
  - Black wire to terminal strip #8 bottom.
  - Yellow signal wire to terminal strip #9 bottom.
  - Red 12V+ wire to terminal strip #6 bottom.
  - Open valve and check for leaks.

### 7 Battery

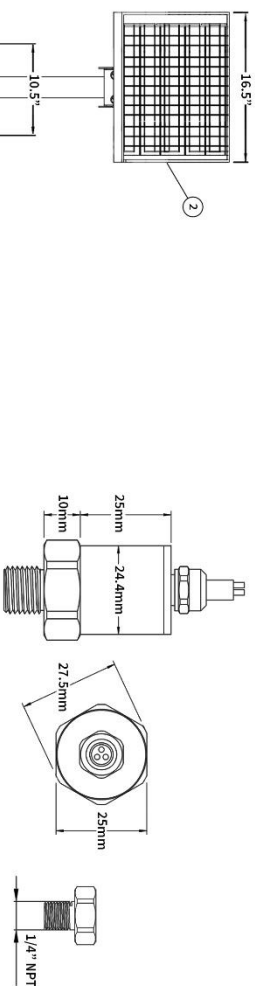
- Place in enclosure.
- Connect red wire to terminal #3 bottom, black wire to terminal #4 bottom.

### 8 Solar Panel Power

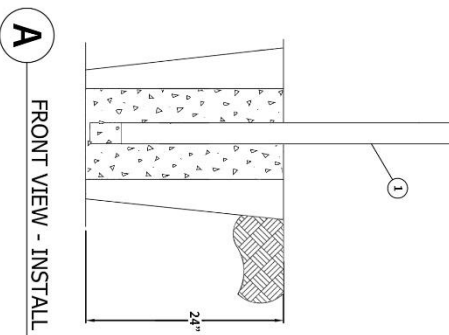
- Connect solar panel black or blue wire to terminal #2 bottom, red or brown wire to terminal #1 bottom. **Note:** Connect battery before solar panel.

### Final

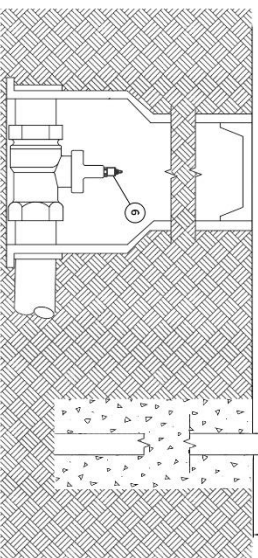
- Create drip loops to prevent moisture.
- Secure wires with zip ties.



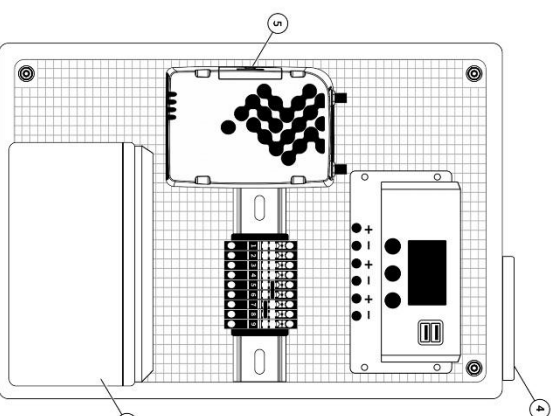
DETAIL VIEW - PRESSURE TRANSMITTER



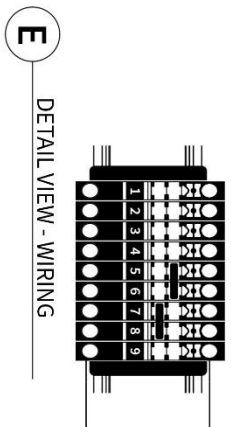
FRONT VIEW - INSTALL



SIDE VIEW - INSTALL



DETAIL VIEW - ENCLOSURE



DETAIL VIEW - WIRING

	(+)	(-)	(+)	(-)	(+)	(-)	(+)	(-)	Input
Solar Panel	Red	Black	Red	Black	Red	Black	Red	Black	Green
* CHARGE CONTROLLER									
1	2	3	4	5	6	7	8	9	* MODEN
SOLAR PANEL	Brown or Red	Blue or Black	Red	Black	Red & White	Red	Black	Black	Yellow Signal
BATTERY	Red	Black	Red	Black	Red	Black	Red	Black	

\* Prewired by eLynx