

Water Meter Installation Guide



 **INSTALLATION BY A LICENSED PLUMBER IS STRONGLY RECOMMENDED.**

TOOLS/SUPPLIES NEEDED

Pipe Cutter


Soldering supplies, compression fittings or PEX adapters (We recommend the Melnor Metal Double Female Adapter for Model TSN1)

Pipe wrench or channel locks

Teflon Tape/PTFE pipe sealant or rubber gaskets

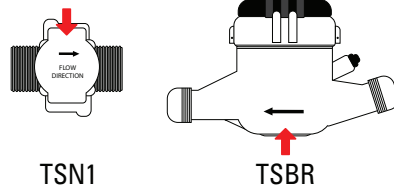
INSTALLATION STEPS

1. Identify the individually separated water supply lines going to each unit.
2. Turn off water and bleed pressure at a nearby faucet.
3. Install supplied adapters onto meters.

 Do not apply force to meters. Excessive force during install may break meters and cause leaks.

4. Cut supply line for each unit with appropriate pipe cutters (PEX, copper, etc). Lay length varies depending on meter model. With adapters installed, lay length is approximately 5¾" for TSN1 and 11½" for TSBR.
5. Install meters for each unit and check for leaks.

NOTE: Each meter indicates the flow direction. Be sure to install meter in correct orientation.

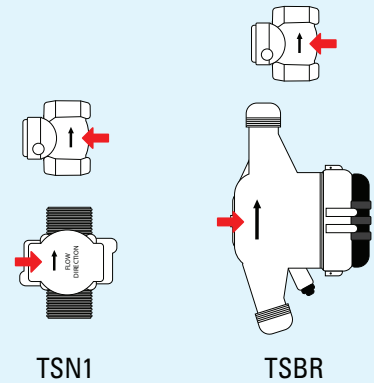


TSN1

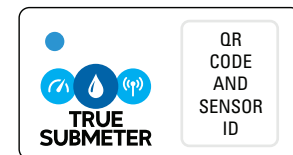
TSBR

6. Plug the power supply into a nearby outlet. Check that there is power to the meter. When plugged in, the bulb on top of the enclosure should flash a blue light one time. Unplug and plug in the meter to check for the blue light. It is okay if the flash is dull, meter is still functional.

VERTICAL INSTALLATION



If meters are to be installed vertically, True Submeter highly recommends adding Non-Return-Valves (NRV) after the submeter to eliminate back-tracked water that could reduce accuracy of our submeter readings. If there is already an NRV in place, an additional one is not necessary.



Blue light flashes when plugged in.

THE METERS ARE READY TO GO!

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TRUE SUBMETER
Water Submetering Solutions

Router Installation Guide

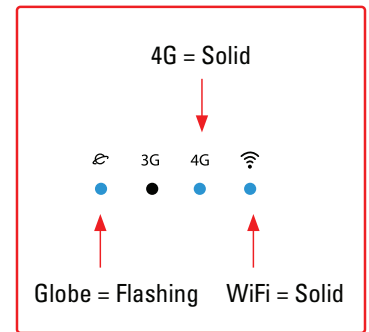
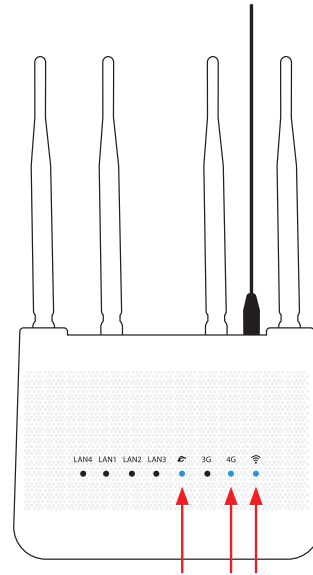


INSTALLATION STEPS

1. Plug the router into a wall outlet in a common area, utility room or somewhere as discreet as possible.
2. Check that the lights are flashing (see image).

NOTE: If lights do not light up, check your smartphone cellular signal. If you do not have a cellular signal on your cell phone, chances are the True Submeter router does not have cellular connection either. *See below for troubleshooting.*

ROUTER IS PREPROGRAMMED AND READY TO GO!



WIFI TROUBLESHOOTING

1. Install a WiFi analyzer app on your smartphone.

NOTE: For iPhones, use "Airport Utility" which is built into your phone. For other phones, search "WiFi Analyzer" in the app store and install. Most are free. We use the Wifi Analyzer by Farproc.

2. Open the WiFi network labeled some variation of "TrueSubmeter, TS***, True**..."
3. Stand near the meters to determine signal strength.

IMPORTANT: -40 dBm is the best signal strength available. Our submeters will work up until about -89 dBm but -70 dBm and better is preferred to get the strongest connection with the meters and router.

4. If signal strength is poor, move the router closer to the meters.

NOTE: Additional routers may be needed to increase signal strength for all meters.

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