PVC Meter Installation Guide

MODEL TSN1

INSTALLATION BY A LICENSED PLUMBER IS STRONGLY RECOMMENDED.

TOOLS/SUPPLIES NEEDED

Pipe Cutter	Pipe wrench or channel locks
Soldering supplies, compression fittings or PEX adapters (We recommend the Melnor Metal Double Female Adapter for Model TSN1)	Teflon Tape/PTFE pipe sealant or rubber gaskets
Check valve (one per meter)	Jumper wire and pipe clamps, if needed (see note)

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.

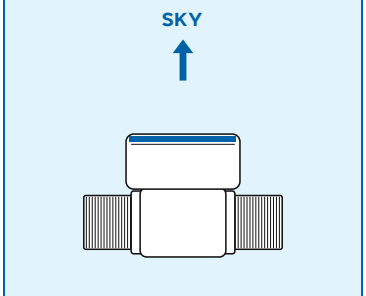
Do not apply force to meters. Excessive force during install may break meters and cause leaks.

4. Cut supply line for each unit with appropriate pipe cutters (PEX, copper, etc). With adapters installed, lay length is approximately 5¾".
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. **If installed horizontally, the True Submeter side of the meter (the box with the logo) must face straight up toward the sky, with the flow arrow side facing down.** If installed vertically, it can face any direction.

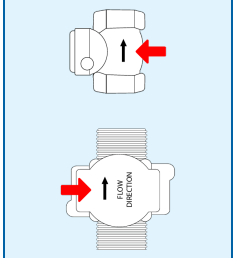
NOTE: If meters are installed near equipment that can cause electrical noise, such as pumps, motors, boilers or electrical panels, True Submeter recommends a jumper wire clamped to the pipe on each side of the meter. On metal pipe, local code may require one regardless. Your plumber or electrician will know.

HORIZONTAL



TRUE SUBMETER SIDE UP

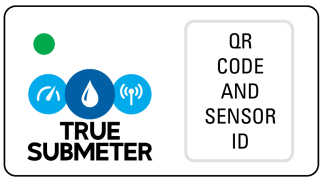
VERTICAL



ANY DIRECTION

NOTE: True Submeter highly recommends adding Non-Return-Valves (NRV) or Check Valves after the submeter, whether it is installed horizontally or vertically, 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.

6. Plug the power supply into a nearby outlet. Check that there is power to the meter. When plugged in, the bulb will illuminate for 3 seconds. Unplug and plug in the meter to check for the green light. It is okay if the flash is dull, meter is still functional. If only the green light appears, the meter is functional. If a yellow or red light appears, the meter was unable to connect to WiFi. See Step 3 of the Router Installation Guide on the back to confirm WiFi connection.



Green light illuminates for 3 sec when plugged in.

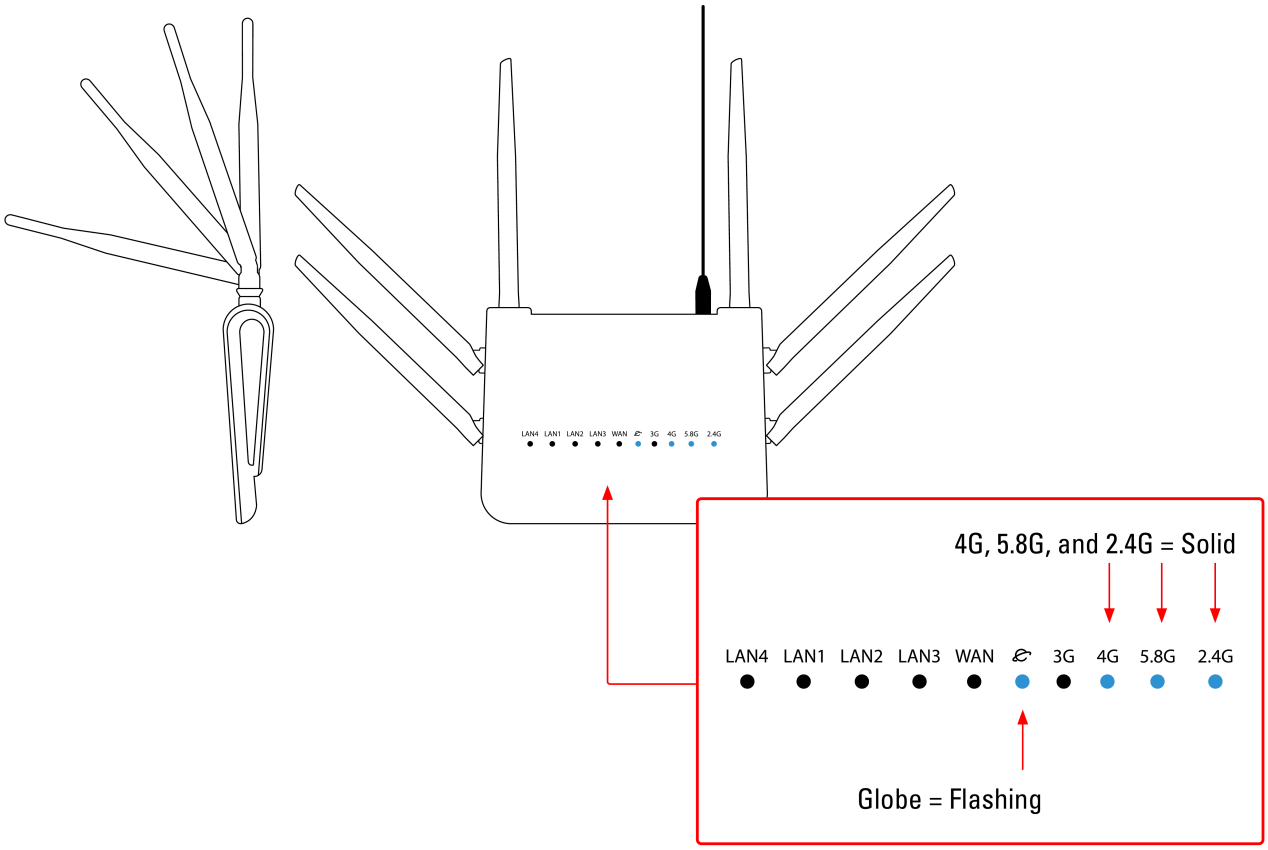
THE METERS ARE READY TO GO!

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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, within 50 feet of every submeter.
2. Check that the correct lights are flashing (see image).
3. Check on a mobile device that “TrueSubmeter” comes up as a Wi-Fi option.
4. Adjust the router antennas so that each antenna is pointed in a different position as shown.

50 FT
MAX DISTANCE

PLACEMENT: We recommend the router be within 50 feet of every submeter. If a submeter is farther away than that, contact us about adding a second router.

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.

ROUTER IS PREPROGRAMMED AND READY TO GO!

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