

# WeatherTRAK Optical Flow Sensor Power Supply Installation and Verification Procedure

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## WTPS – FL Power Supply Installation

- This description refers to **WTPS – FL** installation with dedicated field wire to provide continuous 24VAC input power to the power supply.

### Controller connections

- Connect MV and Flow Sensor wires following standard installation.
- Connect additional wire to AUX 24VAC connector on the controller

Field Wire	CONTROLLER CONNECTION
ORANGE	Master Valve Hot
WHITE	Valve Common
RED	Flow ( + )
BLACK	Flow ( - )
ORANGE	Continuous AUX 24VAC

### Valve Box connections

- To identify ORANGE Continuous 24VAC power wire, connect first **WTPS – FL** WHITE wire to VC WHITE field wire.
- Next connect **WTPS – FL** ORANGE wire to one of the ORANGE field wires. If GREEN LED on the Power Supply is ON you have selected the correct wire. If not switch the connection to second ORANGE wire. The LED should be ON.
- Connect MV Solenoid to the VC WHITE wire and the unused ORANGE wire.
- Connect BLACK field wire to the **WTPS – FL** BLACK wire and to the Flow Sensor. See TABLE below for NETAFIM color code.
- Connect RED field wire to the Flow Sensor. See TABLE below for NETAFIM color code.
- Connect **WTPS – FL** YELLOW wire to the LED wire on the Flow Sensor.
- Run the Valve Test to verify MV connectivity.

WTPS – FL or Field Wire	NETAFIM Flow Sensor Wire Color Code
BLACK	Bare wire
RED	Translucent wire
YELLOW	Yellow wire

### WTPS – FL Verification

- Verify that GREEN LED on the **WTPS – FL** is still ON at the end of installation.
- Run the Valve Test to verify MV connectivity.
- Run manually any station and verify flow operation.
- If flow is registered you completed your **WTPS – FL** installation.
- Verify controller irrigation and flow configurations..
- Set Station Flow, Station High Flow, Mainline Break and Leak Thresholds
- Execute Learn Flow