TECH BULLETIN 806

Connecting an ELF-KR3 sensor to a KRain PRO EX irrigation controller

Creative Sensor Technology's ELF– KR3 flow sensor provides professional grade quality and performance at a residential price. The ELF measures flow rates from 0.20 to 20 gpm, may be installed underground and does not need to be removed in the winter. KR3 versions produce a digital pulse output and unique programming constants that allow it to interface with the KRain preset values.

Follow CST Installation guide to install the floe sensor in the piping .



Wiring:

1. Wire leads from the flow sensor may be extended up to 1,000 feet using #20 gauge twisted three wire cable.
   Shielded cable is recommended for distances over 100 feet or where cable may run next to other conductors carrying higher power loads that might cause signal interference.

2. All wire connections should be made using waterproof connectors, such as 3M 316IR or 3M DBY.

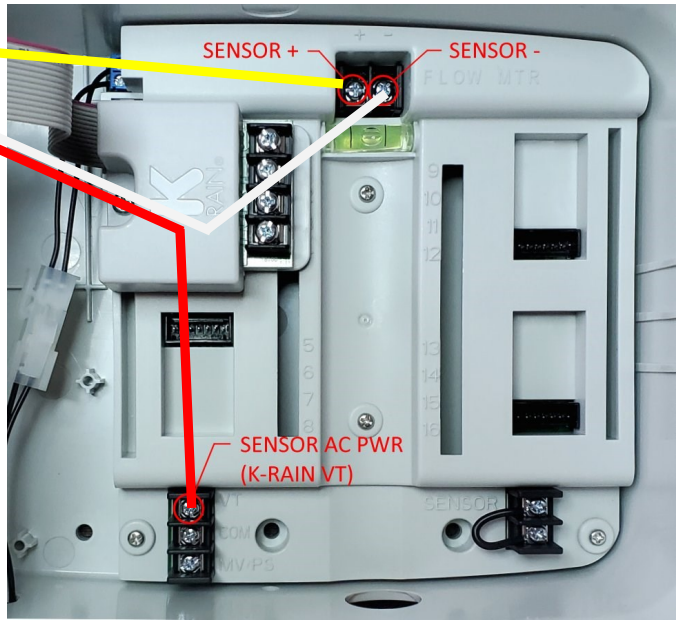
3. Make all wire connections with the power to the controller OFF.

4. ELF SP3 models require 24 VAC to power the circuit so they have three wire connections to the controller.

See diagram and instructions on other side.

Creative Sensor Technology, Inc.
www.creativesensortechnology.com
Ph: 508-763-8100





Flow Sensor Connections to Controller:

1 White lead to sensor minus

2.Yellow lead to sensor plus

3. Red lead to 24 VAC PWR

Program the Controller:

Follow the instructions for SET FLOW METER on page 15 of the PRO EX Instruction Manual



After “SELSIZE” is displayed, push NEXT to select and proceed to choose the flow meter type and pipe size you have. Choose one of the following selections using the UP or DOWN buttons to toggle through the screens: Then choose : 735 1:0 (Model FS73510, 1” pipe) .

The ELF-T10-KR3 is now ready to transmit flow to the controller.