

Technical Specifications

SLF-ISOFLOW-302 / SLF-ISOFLOW-304

FEATURES

- SLF-ISOFLOW is a signal control device that receives the signal from one digital flow sensor and provides multiple electrically isolated outputs.
- The SLF-ISOFLOW is compatible with all Weathermatic flow sensors and most other manufacturers flow sensors producing a square wave output proportional to flow rate. It is not compatible with Hunter HFS sensors.
- The Isoflow also provides optional control inputs allowing the device to selectively switch outputs from one channel to the others or all. Control inputs are also electrically isolated from each other, the flow input and outputs and the power supply.
- The SLF-ISOFLOW-302 features five LEDs to indicate operating conditions and aid in diagnostics.

Applications

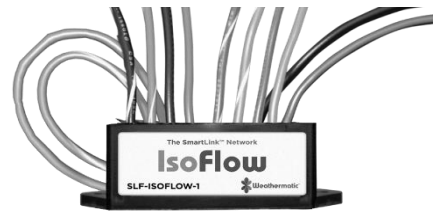
- Allow one flow sensor to simultaneously provide flow information to multiple irrigation controllers. In the case of flow monitoring, the control inputs allow the active controller to block the flow signal to the inactive controller eliminating alarms for non-scheduled flow.
- Allow one flow sensor to simultaneously provide flow information to an irrigation controller(s) and a pump control.
- Allow one flow sensor to simultaneously provide flow information to multiple irrigation controllers, a pump control and a fertigation controller.

Dimensions

- SLF-ISOFLOW-302 - Electronics potted in ABS shell. Overall size 3" W X 1.5" L X 1" H. All leads are 20 AWG color coded 8" long
- SLF-ISOFLOW-304 - NEMA 6P Enclosure: 2.5" W X 4.75" L X 2.375" H

Specifications

- Power Supply Voltage: 12-24 VAC or DC
- Sensor Input: Up to 24 V pulse (~4.5 volt switch level)
- Control Inputs: 12-24 VAC or DC
- Signal Outputs: Open collector (10 mA sinking)



SLF-ISOFLOW-302*



SLF-ISOFLOW-304**

*Power supply sold separately

**Power supply and wiring pigtail sold separately

SmartLink Flow Accessories	
Model	Description
SLF-ISOFLOW-302	Enables 2 SmartLink Flow Aircards to share 1 SLFSI Flow Sensor
SLF-ISOFLOW-304	Enables 3 to 4 SmartLink Flow Aircards to share 1 SLFSI Flow Sensor

Technical Specifications

SLF-ISOFLOW-302 / SLF-ISOFLOW-304

ISOFLOW DEVICE(S) shall be model SLF-ISOFLOW-302 or SLF-ISOFLOW-304 manufactured by Creative Sensor Technology, Incorporated of Rochester, Massachusetts for Weathermatic Sprinkler Division of Telsco Industries. The IsoFlow device shall receive the signal from one digital flow sensor and provides multiple electrically isolated outputs. The IsoFlow shall provide optional control inputs allowing the device to selectively switch outputs from one channel to the others or all. Control outputs are also electrically isolated from each other.

CONSTRUCTION:

The SLF-ISOFLOW-302 device shall be an integrated circuit board fully encapsulated in a watertight epoxy with connections for one flow sensor input, and two flow sensor outputs, two MV control valves, and 12-24VAC or DC power. Status LEDs shall indicate the current status and powered operation of the unit.

The SLF-ISOFLOW-304 device shall be an integrated circuit board with connections for one flow sensor input, and four flow sensor outputs, four MV control valves, and 24VAC power. Status LEDs shall indicate the current status and powered operation of the unit. The SLF-ISOFLOW-304 shall be housed in a NEMA 6p Enclosure.

DIMENSIONS:

SLF-ISOFLOW-302 – Electronics potted ABS shell. 3” W x 1.5” L x 1” H

SLF-ISOFLOW-304 – NEMA 6p Enclosure. 2.5” W X 4.75” L X 2.375” H

ELECTRICAL SPECIFICATIONS: The SLF-ISOFLOW sensor input shall be up to a 24 V pulse (~4.5 volt switch level). The sensor output shall be an open collector (10 mA sinking)

WARRANTY: SLF-ISOFLOW-302 and SLF-ISOFLOW-304 shall have a manufacturer’s limited warranty of two (2) years.