

Technical Specifications

SLF-COMBIFLOW

FEATURES

- SLF-CombiFlow is a signal control device that conditions and scales the signals from two digital flow sensors and combines them into one scalable digital output.
- The SLF-CombiFlow device is compatible with all Weathermatic flow sensors and most other sensors producing a square or sine wave output proportional to rate of flow. It is not compatible with Hunter HFS sensors.
- The device produces a single square wave output combining the total rate of flow of the input devices. The input devices do not need to be of equal size or manufacture.
- The output signal may be scaled to resemble the output of one of the connected flow sensors, another larger flow sensor or a custom value.
- The flow sensors may operate one at a time or simultaneously. The flow sensor values are programmed independently so they need not be the same size.
- The SLF-CombiFlow is housed in a NEMA 6p Enclosure

Applications

- Connect two flow sensors on different Points of Connection (POCs) to a single input channel of a control device.
- Connect the outputs of a two flow sensor “compound meter” assembly to a single control input.
- Connect two flow sensors in a looped piping system to a single control input.
- Convert flow sensor output to a scaled format. e.g. gallons per pulse.
- Saddle, Sensor Housing, Retaining Nut — Type 1 PVC

Dimensions

- 2.5” W x 4.75” L x 2.375” H

Specifications

- Power Supply Voltage 12- 24 VAC or DC, Signal Input: Up to 24 V square or sign wave pulse
- Signal Output: programmable square wave pulse
- Programming: Parameters may be set in the field using software available from Weathermatic



*Power supply and wiring pigtail sold separately

SmartLink Flow Accessories	
Model	Description
SLF-COMBIFLOW	Combines 2 separate flow sensors data to be used by 1 SmartLink Flow Aircard

Technical Specifications

SLF-COMBIFLOW

COMBIFLOW DEVICE(S) shall be model SLF-COMBIFLOW manufactured by Creative Sensor Technology, Incorporated of Rochester, Massachusetts for Weathermatic Sprinkler Division of Telsco Industries. The CombiFlow device shall condition and scale the signals from two digital flow sensors and combine them into one scalable digital output. The output shall be a single square wave combining the total rate of flow of the input devices. The CombiFlow device shall be compatible with all Weathermatic flow sensors and most other flow sensors producing a square or sine wave output. The output signal may be scaled to resemble the output of one of the connected flow sensors, another larger flow sensor or a custom value.

CONSTRUCTION: The SLF-COMBIFLOW device shall be an integrated circuit board with connections for two flow sensor inputs, one flow sensor output, 12-24VAC or DC power, and programming USB TYPE B connection. A status LED and Power LED shall indicate the current status and powered operation of the unit. The SLF-COMBIFLOW shall be housed in a NEMA 6p Enclosure.

PROGRAMMING:

The SLF-COMBIFLOW device must be programmed before using with the appropriate calibration constants (K and Offset numbers) for both flow input channels and the pulse output. These constants for Weathermatic sensors will autoloading from the programming software. If using other flow sensor brands, consult the manufacturer for correct calibration constants.

Programming requires a computer with access to the internet to install programming software downloaded from the CST website: www.creativesensortechnology.com. In addition, device drivers for the processor must also be downloaded.

ELECTRICAL SPECIFICATIONS: The SLF-COMBIFLOW shall have a single square wave output. Frequency Range of 0.3 Hz to 200 Hz.

The CombiFlow device shall output a minimum of a 5-millisecond low pulse at low frequencies and reverts to approximately a square wave above 100 Hz.

WARRANTY: SLF-COMBIFLOW shall have a manufacturer's limited warranty of two (2) years.