



CBF-102-00

Combiflow

The CBF-102 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 Combiflow device is compatible with all CST flow sensors and most other two wire sensors producing a square or sine wave output proportional to rate of flow. It is not compatible with Hunter HFS sensors.

The CBF-102 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 nor from the same manufacturer.

The output signal may be programmed to match the output of one of the connected flow sensors, another larger flow sensor or a custom value. Programming software is available as a free download from the CST website. A micro USB cable connects the programming device to the Combiflow.

The Combiflow features LEDs to indicate operating status and aid in diagnostics.



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.

DIMENSIONS

NEMA 1 enclosure

Height: 5.37” (136.4 mm) including mounting tabs

Width: 2.63” (66.8 mm)

Depth: 1.27” (32.3 mm)

SPECIFICATIONS

Power Supply Voltage: 12- 24 VAC or DC,

Current Draw: - 35 mA @ 24VAC, 45 mA @ 12VDC

Flow Signal Input: Up to 24 V square or sine wave pulse

Signal Output: programmable square wave pulse

Terminals: spring type, screwless strips accept #14 - #20 gauge solid or stranded wire

ORDERING INFORMATION

Combiflow in NEMA 1 Enclosure (indoor or protected locations only - CBF-102-00

Combiflow circuit board Only - CBF102-01