



ISF-304-00 ISO4 Flow Isolator

The ISO4 Isoflow is a signal processor that allows up to four control devices to share one flow sensor and control one master valve.

The ISO4 provides four electrically isolated flow outputs and four corresponding control inputs allowing the device to selectively direct outputs only to the operating controllers. In addition it provides an isolated master valve power output allowing as many as four controllers to operate one solenoid operated master valve, eliminating the need for relays.

The Isoflow is compatible with all CST flow sensors and most (2 wire) sensors producing a pulse output signal proportional to flow rate. Please note: ISO4 is not compatible with Hunter HFS flow sensors

It is also compatible with all normally open or normally closed master valves with a solenoid power rating of .50 A Inrush @ 24 VAC (12 VA) or less.

The ISO4 features a full array of LEDs to indicate operating conditions and aid in diagnostics.

The ISO4 is expandable to eight outputs with the addition of a second module and ribbon cable.

APPLICATIONS

- Allow one flow sensor to simultaneously provide flow information to as many as four irrigation controllers (expandable to eight). The control inputs allow the active controller to block the flow signal to inactive controllers eliminating false alarms for non-scheduled flow.
- Allow one flow sensor to simultaneously provide flow information to any combination of four irrigation controllers, pump controls, fertigation systems, or SCADA systems.



DIMENSIONS

Electronics mounted in NEMA1 enclosure.

Size: 7.125" (181 mm) L (including mounting tabs) X 4" (102 mm) W X 1.125" (28 mm) H

Terminal strips will accept #14 - #20 gauge solid or stranded wire

SPECIFICATIONS

- Power Supply Voltage: 12-24 VAC or DC
- Current Draw: 35 mA @ 24vac not including connected master valve solenoid load
- 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)

ORDERING INFORMATION

- ISF-304-00 Four isolated flow outputs
- ISF-304-10 Eight isolated flow outputs in two Modules (includes connecting cable)
- ISF-304-11 Secondary module with cable for retrofit