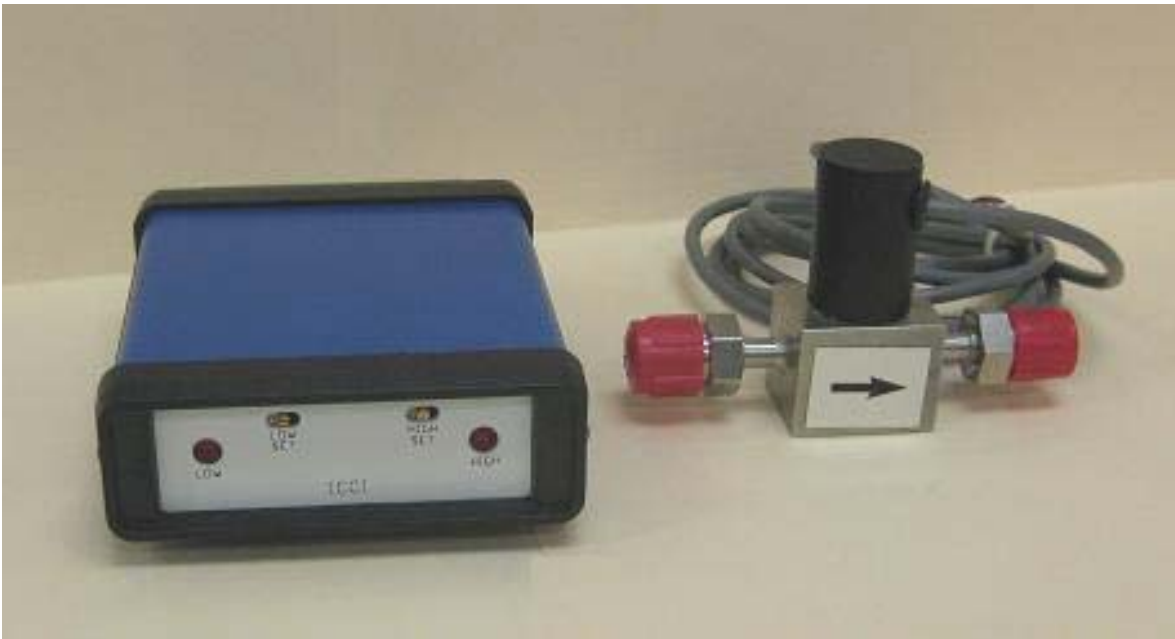


ICCI Full-flow Digital Switch & Controller



0-20 SLPM Range. Electronics are equipped with two independent sets of switch closures (N/O and NC) to detect and report high and low-flow alarm conditions.



ICCI Full-flow Digital Switch & Controller

The solid-state Full Flow Switch is a mass flow detector designed for monitoring flow changes in a gas delivery system. It consists of a stainless steel sensor which is inserted into the gas stream and a remote electronics module. This sensor has some very distinct advantages:

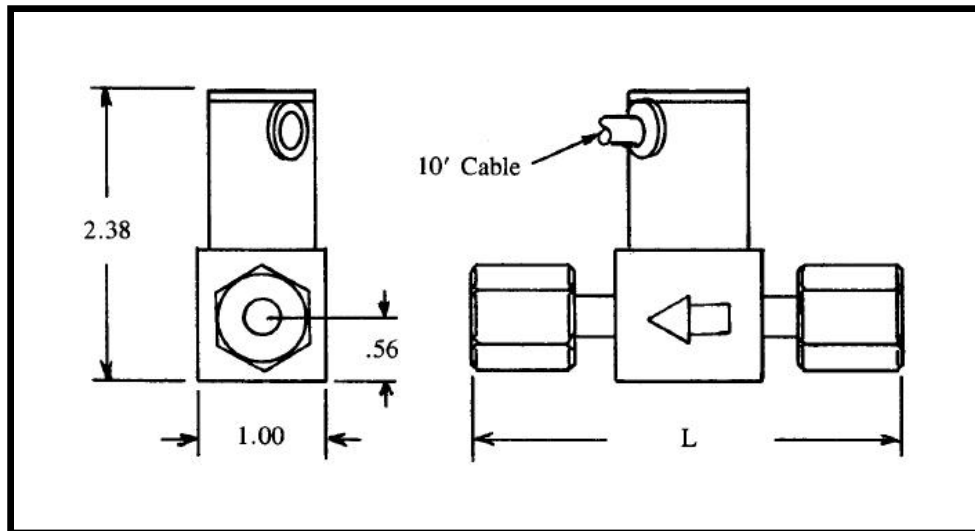
- **FULL FLOW** - Since all gas flows through one path, there are no “ratio-split” effects caused by temperature, pressure, attitude or clogging, and the assembly is inherently simple with no appreciable restrictions to gas flow.
- **ALL WELDED CONSTRUCTION** - No internal threads or elastomer o-rings means minimum dead space for contamination entrapment, maximum leak protection, and no gas compatibility problems.
- **SINGLE POWER SUPPLY** - Only one power source is required. This supply is internally regulated so special filtering precautions are not required.
- **ADJUSTABLE HIGH AND LOW SETPOINTS** - The electronics module has two independent adjustable setpoints with LED readouts indicating when the threshold is crossed.
- **RELAY AND ANALOG OUTPUTS** - With separate form “C” relay outputs for both high and low flow detection, all flow combinations (Low, OK and High) can be detected.
- **INSTALL IN ANY ORIENTATION** - Since there are no moving parts, magnetic or gravity dependencies, the sensor can be installed in any orientation.
- **EASY TO USE** - Simply plumb the sensor body into the appropriate gas line of your delivery system and establish a minimum flow. Then adjust the “low” setpoint until the LED turns on. Next, repeat the process for the maximum desired flow. With the relay outputs wired into your control system, the flow switch is ready to use.

Note: Many ICCI SLC99 controllers come equipped with embedded electronics for the flow Switches. If you want to install flow switches in system with ICCI controllers, check with JGA to determine if your system has this feature.



Specifications:

- Gases: Any gas that is compatible with 316L stainless steel.
- Range: 0.3 - 20 SLPM
- Power 24 - 28 VDC @ 100 mA. (200 mA. During warmup)
- Setability: 1% of range.
- Repeatability: 2% of range.
- Operating temperature: 15 - 40 °C
- Temperature coefficient: < .2% / °C
- Output: Two form “C” relays.
- Pressure drop: 0.75 Psi at 20 SLPM N₂
- Response time:< 2.5 seconds, typical



Fitting	Part No.	L
1/4" VCR m/m	300095	3.87"
1/4" VCR f/f	300096	3.47"

ICCI - A division of Jon Goldman Associates, Inc.
 2237 N. Batavia Street, Orange, CA 92865 USA
 Ph: 714-283-5889 www.jga-inc.com

