

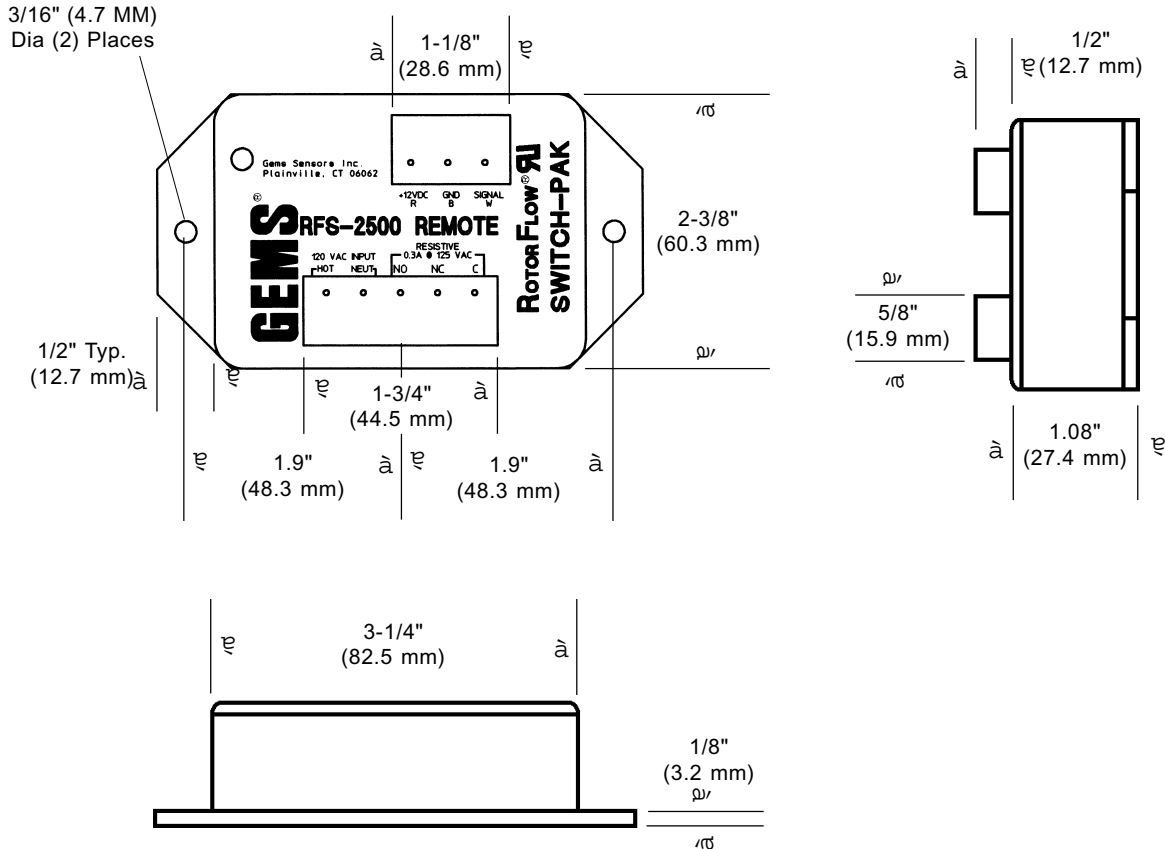


RotorFlow[®] Switch-PAK

Instruction Bulletin No. 168616

Installation

The RotorFlow Switch-Pak can be mounted remotely in any position at a maximum distance of 200 feet from the RFO flow sensor. **(See wiring diagram on back for proper hook-up connections.)**



Specifications

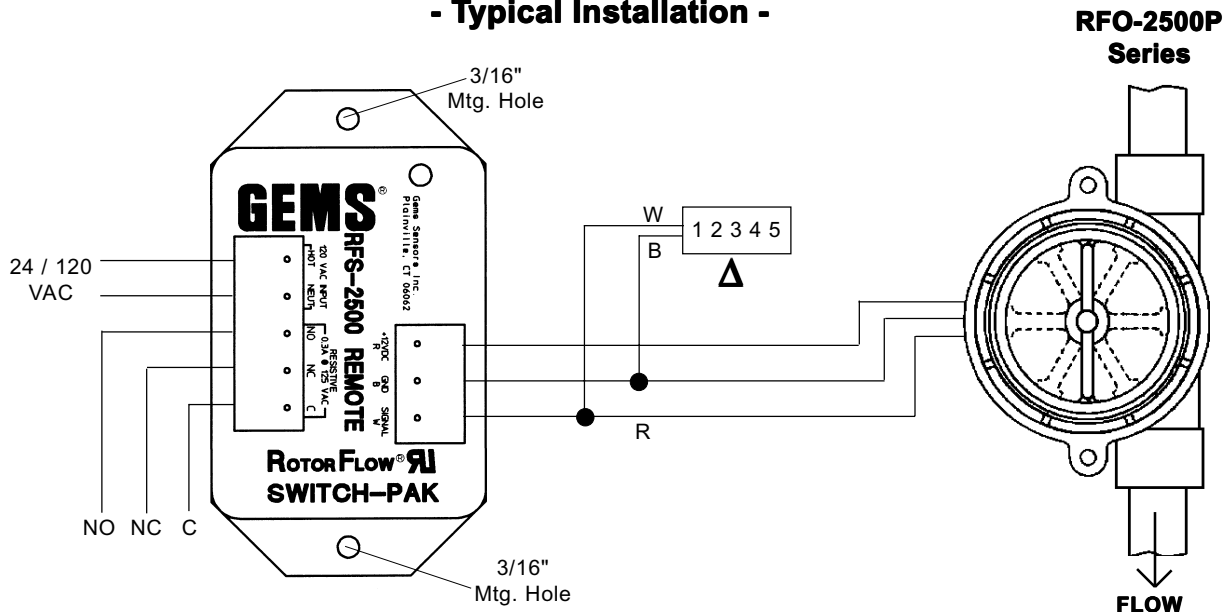
Enclosure	ABS Plastic U/L 94 Vo Flame Retarde
Electronics	Operating Temp. Range: 0° to 60°C
Input Power	24 VAC or 120 VAC, 50/60 Hz
Relay Contact Rating	.3 Amp @ 125 VAC Resistive C / NO / NC 1 Amp @ 30 VDC Resistive
Alarm Set Point Accuracy	± 5%
Alarm Indicator	Red LED
△ Output Signal	Maximum Drive 100 KΩ Load

Alarm Set Point Calibration with LED Indicator

1. Adjust liquid flow in line to the desired rate.
2. Remove plastic button covering alarm adjustment screw.
3. Adjust alarm screw C.C.W. if LED is not illuminated; C.W. if it is "on". Continue adjusting until LED changes state. Readjust **slowly** until LED is re-illuminated.

- CAUTION -
When connecting AC power, be sure HOT LEAD is attached to appropriate line input terminal.

- Typical Installation -



Notes

- △ A remote digital readout for flow rate or totalized flow can be connected to the signal and ground terminals. Contact GEMS for information about P/N 164206 Totalizer/Ratometer and P/N 164207 Power Supply.

The frequency output signal from the RFO can also be utilized by an external programmable controller for additional processing.

Important Points!

Product must be maintained and installed in strict accordance with the National Electrical Code and GEMS product catalog and instruction bulletin. Failure to observe this warning could result in serious injuries or damages.

An appropriate explosion-proof enclosure or intrinsically safe interface device must be used for hazardous area applications involving such things as (*but not limited to*) ignitable mixtures, combustible dust and flammable materials.

Pressure and temperature limitations shown on individual catalog pages and drawings for the specified flow switches must not be exceeded. These pressures and temperatures take into consideration possible system surge pressures/temperatures and their frequencies.

Selection of materials for compatibility with the media is critical to the life and operation of GEMS flow switches. Take care in the proper selection of materials of construction; particularly wetted materials.

Life expectancy of switch contacts varies with applications. Contact GEMS if life cycle testing is required.

Ambient temperature changes do affect switch set points, since the specific gravity of a liquid can vary with temperature.

Flow switches have been designed to resist shock and vibration; however, shock and vibration should be minimized.

Liquid media containing particulate and/or debris should be filtered to ensure proper operation of GEMS products.

Electrical entries and mounting points may require liquid/vapor sealing if located in an enclosed tank.

Flow switches must not be field repaired.

Physical damaged sustained by the product may render it unserviceable.