



PRELIMINARY

- Able to accurately measure flows from 20 mLpm (0.3 GPH) to 10 Lpm (150 GPH)
- Field or factory set point
- Solid state FET relay switch
- Red LED indicates relay status
- Green LED indicates flow rate & power
- Choose N.O. or N.C. relay function
- Excellent set point accuracy & repeatability

COMMON APPLICATIONS

- Pump protection flow systems
- Lubrication machinery and machine tools
- Sampling systems
- Process control
- Laboratory and system design
- Cooling control verification
- Fuel delivery
- Chemical delivery
- Leak detection
- Process
- Medical
- HVAC
- Industrial
- Fuel cell / power generation
- Engine testing / automotive

PRELIMINARY SPECIFICATIONS

WETTED MATERIALS (Ryton® units):

Ryton® PPS, stainless steel, sapphire, Viton® O-rings, epoxy.

WETTED MATERIALS (stainless steel units):

316 stainless steel, sapphire, Viton® O-rings, epoxy.

FLOW MEASUREMENT ACCURACY:

±1.0% full scale or better.

REPEATABILITY:

±0.2% full scale or better.

SWITCHING HYSTERESIS:

±2.0% full scale typical.

PRESSURE RATINGS:

100 psi maximum working pressure for Ryton® units.
500 psi maximum working pressure for stainless units.

TEMPERATURE RATINGS:

1 to 68 °C (33 to 155°F) media temperature
1 to 68 °C (33 to 155°F) ambient temperature
0 to 80 °C (32 to 175°F) storage temperature

TEMPERATURE EFFECT:

0.02% per °F

POWER REQUIREMENTS:

12-24 VDC at 50 mA. Power input polarity protected.

SWITCHING OPTIONS:

Normally open (N.O.) or normally closed (N.C.) contact configurations.
N.O. means open if flow is below setpoint.

ADJUSTMENT:

Factory preset (flow rate setpoint specified at time of order)
or field-adjustable trim potentiometer.

CONTACT RATING:

Maximum 250 mA, 24VDC (electronic FET switch).

PROCESS CONNECTIONS:

1/8" female NPT standard. Acetal tube fittings included
with Ryton® units. Stainless steel tube fittings included with
stainless steel units.

ELECTRICAL CONNECTIONS:

6 foot cable length standard, 3 wire connections.

PHYSICAL DATA:

Dimensions (without fittings) are 1.60"L x 2.35"W x 2.30"H.
Weight is 0.2 lbs. for Ryton® units, 0.8 lbs. for stainless units.

OPTIONS:

Additional cable lengths, fixed set points

PART NUMBERS

PART #	SET POINT	PRES. RATING	SWITCH	FLOW RANGE	BODY
501-3RO	Adjustable	100 psi	N.O.	20-100 mLpm	Ryton®
501-3RC	Adjustable	100 psi	N.C.	20-100 mLpm	Ryton®
501-3SO	Adjustable	500 psi	N.O.	20-100 mLpm	St. Steel
501-3SC	Adjustable	500 psi	N.C.	20-100 mLpm	St. Steel
501-4RO	Adjustable	100 psi	N.O.	30-200 mLpm	Ryton®
501-4RC	Adjustable	100 psi	N.C.	30-200 mLpm	Ryton®
501-4SO	Adjustable	500 psi	N.O.	30-200 mLpm	St. Steel
501-4SC	Adjustable	500 psi	N.C.	30-200 mLpm	St. Steel
501-5RO	Adjustable	100 psi	N.O.	50-500 mLpm	Ryton®
501-5RC	Adjustable	100 psi	N.C.	50-500 mLpm	Ryton®
501-5SO	Adjustable	500 psi	N.O.	50-500 mLpm	St. Steel
501-5SC	Adjustable	500 psi	N.C.	50-500 mLpm	St. Steel
501-6RO	Adjustable	100 psi	N.O.	100-1000 mLpm	Ryton®
501-6RC	Adjustable	100 psi	N.C.	100-1000 mLpm	Ryton®
501-6SO	Adjustable	500 psi	N.O.	100-1000 mLpm	St. Steel
501-6SC	Adjustable	500 psi	N.C.	100-1000 mLpm	St. Steel

FLOW RANGES UP TO 10 Lpm AVAILABLE - CONTACT FACTORY.

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