

## Switch-Pro™ with Compact Relay Controller

### Application

This general purpose liquid or gas switch package provides a complete solution for low flow pump or process protection with a 10A compact relay controller. The optional flash alarm brings immediate attention to low flow conditions. The short sensor is intended for use in pipe or ducting from 1/2" to 1 1/2"; the long sensor is applied in 2" and up. The product is broadly selected for low or no-flow applications. Specify the appropriate sensor technology, length and material.

### Features

- Fail-safe relay control of pumps and valves with 0-60 second time delay
- Optional strobe brings immediate attention to flow alarm conditions
- PP or PVDF wetted material for challenging corrosive fluids

### Tech Tip

The AC powered relay controller has a 10A relay, adjustable time delay, LED indicators, NO or NC invert switch and UL fire retardant PP enclosure.



AT12-1620 Shown

### Specifications

- Set point range: FT10: 0.04 to 3 fps (0.012 to 0.91 mps)
- GT10: 1 to 90 fps (0.3 to 27 mps)
- Repeatability: ±0.5% of set point
- Supply voltage: 120/240 VAC @ 50-60 Hz.
- Contact type: (1) SPDT relay
- Contact rating: 250 VAC @ 10A
- Process temp: F: 32° to 140°  
C: 0° to 60°
- Pressure: 150 psi (10 bar)
- Wetted material: PP-Ryton®/PVDF
- Conduit entrance: 1/2" NPT
- Enclosure rating: NEMA 4X (IP65)
- Process mount: 3/4" NPT (3/4" G)
- Classification: General purpose



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**Application media**

- T Liquid
- G Gas

**Sensor length (1) (2)**

- 2 Short
- 4 Long

**Sensor material**

- 1 PP
- 3 PVDF

**Configuration (3) (4)**

- 1 Controller with Strobe Alert
- 2 Controller only

**Process mount**

- 0 3/4" NPT (US)
- 4 3/4" G (Metric)

**Ordering Notes**

- 1) Select the short sensor for use with pipe sizes from 3/4"-1 1/2" (D25-D50) and the long sensor for 2" and higher (D63 up).
- 2) Select the Pulse-Point fitting to dampen the pulsating flow of liquid metering pumps. Order the FT50-1000 (PP) fitting or the FT50-5000 (PVDF) fitting. The FT50 is compatible with the short NPT flow switch.
- 3) To factory configure for 240 VAC, place an E at the end of the P/N: (ie: AT12-1610-E).
- 4) To order the CE configuration, place CE at the end of the P/N: (ie: AT12-1610-CE).

203 Vest Avenue  
Valley Park, MO 63088

Toll Free: (888) SPECTECH  
Phone: (636) 537-0202

Fax: (636) 537-1405  
E-Mail: [sales@spectechind.com](mailto:sales@spectechind.com)