**Series FTS Thermal Flow Switch**

*For Industrial Cooling Systems*

**Specifications**

- **Service:** Water based liquids.
- **Low Flow Set Point:** 4 m/s (1.2 fps) (water related) typical.
- **Temperature Set Point:** 122°F (50°C) or 158°F (70°C), other settings possible on OEM demand.
- **Temperature Limits:** -4 to 176°F (-20 to 80°C).
- **Response Time:** 5 to 10 seconds.
- **Repeatability:** ±0.5%.
- **Hysteresis:** <20% of set-point value.
- **Pressure Limit:** 150 psi (10 bar).
- **Protection Class:** NEMA 6 (IP67).
- **Wetted Material:** 303 SS.
- **Process Connection:** 1/2˝ male NPT.
- **Electrical Connection:** M12 male socket 4-pin with 6´ (2 m) connection cable with M12 connector sold separately.
- **Power Requirement:** 18 to 30 VDC.
- **Electrical Rating:** <200 mA.
- **Power Consumption:** 4 W max.
- **Initial Operation:** After 15 seconds.
- **Switch Type:** PNP NO (switch closes with flow).

<table>
<thead>
<tr>
<th>Model</th>
<th>Temp. Set Point</th>
<th>Sensor Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTS-AS</td>
<td>122°F (50°C)</td>
<td>1/2˝ (12.7 cm)</td>
</tr>
<tr>
<td>FTS-AL</td>
<td>158°F (70°C)</td>
<td>2˝ (50.8 cm)</td>
</tr>
<tr>
<td>FTS-BS</td>
<td>158°F (70°C)</td>
<td>1/2˝ (12.7 cm)</td>
</tr>
<tr>
<td>FTS-BL</td>
<td>158°F (70°C)</td>
<td>2˝ (50.8 cm)</td>
</tr>
</tbody>
</table>

**ACCESSORY**

A-284, Wiring cable 6 ft (2 m) long with M12 connector

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**Series TDC Remote Flow Controller**

*Single or Dual Relay Output, Adjustable Time Delay*

**Specifications**

- **Relay Output:** TDC1: 1 SPDT form C; TDC2: 2 SPDT form C (one latching relay).
- **Relay Load:** 240 VAC, 12 A resistive, 1/2 HP.
- **Switching Mode:** Field-selectable NO or NC.
- **Supply Voltage:** 120/240 VAC, 50/60 Hz., selectable.
- **Current Consumption:** 25 amps max.
- **Time Delay:** Adjustable, 0.15 to 60 s.
- **Sensor Voltage Supply:** 13.5 VDC, 100 mA max., nominal.
- **Sensor Trigger Point:** Dry <12 mA; Wet >12 mA.
- **Sensor Input:** Terminal block.
- **Mounting:** EN 50 022 standard 32 mm DIN or panel mount.
- **Enclosure:** Polypropylene, flame retardant.
- **Temperature Limits:** -4 to 158°F (-20 to 70°C).
- **Agency Approvals:** CE.

**Model**

- **TDC1:** Single Point Flow Controller
- **TDC2:** Dual Point Flow Controller