The Series DT Detector Position Sensors are reliable, magnetically actuated, SS, completely interchangeable with competitive units. AC or DC for user friendly operation. They have no moving parts, eliminate costly seal fittings and offer enhanced reliability by eliminating arcing. Unintentional actuation by metals is not a problem. The sensor consists of a durable hermetically sealed reed switch potted in a SS housing and a separate 316 SS magnetic actuator bolt. As the actuator moves within the sensing range of the sensor, the magnet in the actuator changes the state of reed switch contacts inside the sensor. This either opens or closes a circuit depending on wiring configuration. Sensing distance is 0.1˝ (0.5˝). The sensor shall be SPDT, Form NO/common).

**APPLICATONS**

The detector is used for control element position monitoring and indication with devices such as linear valves – actuators & cylinders – rotary valves – dampers.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Sensing Distance</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT1060</td>
<td>Detector and standard actuator</td>
<td>0.1˝ (2.54 mm)</td>
<td>$163.00</td>
</tr>
<tr>
<td>DT1160</td>
<td>Detector and high strength actuator</td>
<td>0.5˝ (12.7 mm)</td>
<td>170.00</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Temperature Limits: -40 to 163°F (-40 to 73°C).
- Switch Type: Tungsten, SPDT, Form C.
- Electrical Rating: 3 A @ 125 VAC, 3 A @ 30 VDC.
- Enclosure Rating: Weatherproof.
- Hysteresis: 3 to 15% of sensing range.
- Switching Frequency: 25 Hz.
- Mounting Holes: NAMUR mounting - 3.15" x 1.18" (80 x 30 mm) or 5.118" x 1.18" (130 x 30 mm).
- Electrical Connection: 4-pin quick disconnect.

- Initial Contact Resistance: 0.50 Ω (max).
- Repeatability: 0.005" (.01 cm).
- Hysteresis: 0.030" (.8 mm).
- Electrical Connection: Factory sealed leads with 18" min, 4 conductor, PVC insulated, 18 AWG – green/red/black/white (ground/NC/NO/common).
- Housing: 316 SS.
- Potting: Epoxy resin.
- Conduit: 1/2-14" female NPT.
- Weight: 0.32 lb (145 g), 0.45 lb (204 g) with actuator.
- Agency Approvals: CE, CSA, cUL, UL.

**SUGGESTED SPECIFICATION**

Position sensor shall be magnetically operated Proximity Detecter model (DT1060) (DT1160). Sensing distance shall be (0.1") (0.5`). The sensor shall be SPDT, Form C, hermetically sealed and rated 3 amps 125 VAC, 3 amps 30 VDC, and shall include a SS actuator with internal magnet. The 316 SS housing shall be designed to NEMA 4, 4X, 7, 9, UL & CSA certified Class I, Groups A, B, C & D; Class II, Groups E, F, & G, Divs. 1 & 2 requirements and have a 1/2" NPT conduit entrance.