The DST series ultrasonic sensors are designed to be used in conjunction with a DCR controller to give you a simplified, stand-alone system. The transmit and receive circuit is built into the sensor and digitally communicates the detected distance to the DCR controller. This allows the sensor to be separated from the DCR controller by up to 2000 feet with no signal loss. With several sensors to choose from, there are plenty of options for your application needs.

**Features**

- AutoSense software provides hassle-free setup
- Internal Temperature Compensation
- Controller and sensor can be separated up to 2000 ft. (650 m)
**DST Specifications**

### Performance
- Beam Pattern: 9º off axis
- Internal Temperature Compensation
- Accuracy: ±0.25% of detected range

### Connectivity
- Output: DCR Controller

### Electrical
- Wiring Connection
  2 conductor shielded cable
  Coaxial cable (requires DCR-1006A with F connection)

### Programming
- Interface with DCR Controller via APG Modbus Software
- User selected units of measure

### Physical
- PC/PET blend body:
  DST-2421, 3431, 5111, 9421
- Electrostatic transducer:
  DST-9421
- Ceramic transducer:
  DST-2421, 3431, 5111

### Environmental
- Ratings:
  NEMA 6P
  NEMA 12
  IP65
- Operating Temp: -22º - 140ºF (-30º - 60ºC)

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**Dimensions: in./mm**

**DST-2421**
- Liquid Tight Non-Metallic Spiral Strain Relief
- 3/4” NPT Threads
- 2” NPT Threads
- Dimensions: 50.8 / 1.99

**DST-3431**
- Liquid Tight Non-Metallic Spiral Strain Relief
- 3/4” NPT Threads
- Dimensions: 191.5 / 3.07

**DST-9421**
- Liquid Tight Non-Metallic Spiral Strain Relief
- 3/4” NPT Threads
- Dimensions: 76.2 / 3.00

**DST-5111**
- Micro Connector
- 1” NPT
- Dimensions: 114.3 / 4.50

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- Dimensions: 114.3 / 4.50
DST COMMON MODEL CONFIGURATIONS

All models require DCR-1006A

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DST-2421-C10</td>
<td>1-25 ft. range, Ceramic Transducer, 2&quot; NPT, PC/PET Body, 10 ft. cable</td>
</tr>
<tr>
<td>DST-2421-M</td>
<td>1-25 ft. range, Ceramic Transducer, 2&quot; NPT, PC/PET Body, M12 micro-connector</td>
</tr>
<tr>
<td>DST-3431-C10</td>
<td>1.25-50 ft. range, Ceramic Transducer, 3&quot; NPT, PC/PET Body, 10 ft. cable</td>
</tr>
<tr>
<td>DST-3431-M</td>
<td>1.25-50 ft. range, Ceramic Transducer, 3&quot; NPT, PC/PET Body, M12 micro-connector</td>
</tr>
</tbody>
</table>

DST ACCESSORIES

Please order separately, by part number.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Conductor over-molded extension cable with foil shield</td>
<td></td>
</tr>
<tr>
<td>Straight, 2 m</td>
<td>135407-0002</td>
</tr>
<tr>
<td>Right Angle, 2 m</td>
<td>135407-1002</td>
</tr>
<tr>
<td>Straight, 5 m</td>
<td>135407-0005</td>
</tr>
<tr>
<td>Right Angle, 5 m</td>
<td>135407-1005</td>
</tr>
<tr>
<td>DCR-1006A controller per sensor</td>
<td>125791</td>
</tr>
<tr>
<td>DCR-1006A-F controller per sensor</td>
<td>125791-0003</td>
</tr>
</tbody>
</table>
MODEL CONFIGURATIONS OPTIONS

Model Number: DST- _____ - _____

A  B

A. Model

☐ 2421  1 - 25 ft range, Ceramic Transducer, PC/PET Blend Body
☐ 3431  1.25 - 50 ft range, Ceramic Transducer, PC/PET Blend Body
☐ 5111  4 - 72 in range, Ceramic Transducer, PC/PET Blend Body
☐ 9421  0.5 - 35 ft range, Electrostatic Transducer, PC/PET Blend Body

B. Cable/Micro Connector

☐ C_  2 conductor cable (indicate cable length. 10 ft. is standard)
☐ CX_† Coaxial cable (indicate cable length. 10 ft. is standard)
☐ M Micro connector (note: Mating connector cable sold separately)

Note: †Can only be used with DCR-1006A-F, with F connector.