Mid Range Pump Control
Ultrasonic Level Sensors
Series: DST

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: 9° off axis
- Internal Temperature Compensation
- Accuracy: ±0.25% of detected range

**Connectivity**
- Output: DCR Controller

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

**Electrical**
- Wiring Connection: 2 conductor shielded cable

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

**Environmental**
- Ratings: NEMA 6P, NEMA 12, IP65
- Operating Temp: -22° - 140°F (-30° - 60°C)
# 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-CL10</td>
<td>1-25 ft. range, Ceramic Transducer, 2” NPT, PC/PET Body, 10 ft. cable</td>
</tr>
<tr>
<td>DST-2421-M</td>
<td>1-25 ft. range, Ceramic Transducer, 2” NPT, PC/PET Body, M12 micro-connector</td>
</tr>
<tr>
<td>DST-3431-CL10</td>
<td>1.25-50 ft. range, Ceramic Transducer, 3” NPT, PC/PET Body, 10 ft. cable</td>
</tr>
<tr>
<td>DST-3431-M</td>
<td>1.25-50 ft. range, Ceramic Transducer, 3” NPT, PC/PET Body, M12 micro-connector</td>
</tr>
</tbody>
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# 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>
</tbody>
</table>

**Order 1 controller per sensor**

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<tr>
<td>DCR-1006A</td>
<td>125791</td>
</tr>
</tbody>
</table>
Model Configurations Options

Model Number: DST- _____ - _____

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

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