NTC Type JD

Thermometrics Fast Response Sensor

Applications

- Typical applications include electric showers and other water appliances/systems where fast, accurate control is required

Features

- Fast response time down to 140ms
- Voltage isolation up to 1500 VAC
- Accurate temperature measurement
- Water resistant
- Metal housing (brass, copper, stainless steel)
- Typical applications include electric showers and other water appliances/systems where fast, accurate control is required
Type JD Specifications

Description
NTC thermistor assembly in a metal housing with flying wires.

Options
- Flying wires with connector terminations
- Housing with integral terminals
- Other resistance—temperature characteristics
- Custom design

Data
- Temperature range: 23°F to 302°F (-5°C to +150°C)
- R25: 10 kΩ ±5%
- B 25/85: 3960 k ±1%

Typical response time as a function of insulation voltage and housing material:

<table>
<thead>
<tr>
<th>Insulation voltage VAC</th>
<th>Typical response time ms</th>
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<tbody>
<tr>
<td></td>
<td>Brass</td>
</tr>
<tr>
<td>500</td>
<td>150</td>
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<tr>
<td>1500</td>
<td>170</td>
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