

PAINTABLE BUTTON STYLE TEMPERATURE SENSOR

# TSBTA Series

The Paintable Button Style Flush-Mount Thermistor and RTD Wall Sensors provide precision room temperature sensing for building automation systems. The TSBTA Series drastically decreases the footprint of the traditional box sensor so that it becomes virtually invisible once it is painted to match the decor. The active sensing element is made of a highly stable, precision thermistor material or platinum RTD. This design is intended for interior use only is bonded to a plastic paintable housing.

# PRODUCT HIGHLIGHTS

* Paintable housing for easily concealed sensor
* Various wire types and lengths
* Various sensor types

SPECIFICATIONS

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| DESCRIPTION | ENGINEERING SPEC |
| SENSOR TYPE | See below |
| SENSOR ACCURACY | See below |
| WIRE MATERIAL | ZW: PVC insulated, parallel bonded, 22 AWG (FT-4 for 100Ω  Platinum  FT: Plenum rated FT-6 |
| WIRE LENGTH | ZW: 1.05m (5’)  FT: 3m (10’) |
| WIRING TERMINATION | Pre-stripped pigtails |
| TEMPERATURE RANGE | -40 to 60°C (-40 to 140°F) |
| MOUNTING | Directly to drywall, flush mount |
| ENCLOSURE RATING | NEMA 1, white plastic, paintable, interior use only |
| APPROVALS | CE |
| COUNTRY OF ORIGIN | Canada |

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| **Sensor Code** | **Temperature Sensor Description** | **Accuracy** |
| 02 | 100Ω Platinum, IEC 751, 385 alpha, 2 wire, Class B | ± 0.3 °C (± 0.54 °F) @ 0 °C (32 °F) |
| 05 | 1,801 Ω NTC thermistor | ± 0.5 °C (± 0.9 °F) @ -20 - 50 °C (-4 - 122 °F) |
| 06 | 3,000 Ω NTC thermistor | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 07 | 10,000 Ω (type 3) NTC thermistor | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 08 | 2.252 KΩ NTC thermistor | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 12 | 1000Ω Platinum, IEC 751, 385 alpha, 2-wire, Class B | ± 0.3 °C (± 0.54 °F) @ 0 °C (32 °F) |
| 13 | 1000Ω Nickel, DIN 43760, 2-wire, Class B | ± 0.4 °C (± 0.72 °F) @ 0 °C (32 °F) |
| 14 | 10,000 Ω (Type 3) NTC thermistor c/w 11 KΩ shunt | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 20 | 20,000 Ω NTC thermistor | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 24 | 10,000 Ω (Type 2) NTC thermistor | ± 0.2 °C (± 0.36 °F) @ 0 - 70 °C (32 - 158 °F) |
| 59 | 10,000 Ω NTC thermistor | ± 1% @ 25°C (77°F), β25/85 = 3435 ± 1% |





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