

Features

- Design according to EN 13190
- Hermetically sealed case bezel design
- Accuracy Class 1.6
- Quick response, high stability and accuracy
- Adjustment knob at glass for setting point
- All stainless steel material construction
- In-feld application with IP45 protection
- Temperature range up to 600°C (1100 °F)
- Sliding connection standard
- Standard dial dual unit ranges (°F & °C)
- Sensor length up to 600 mm
- Sensor diameter 6.3mm (standard), *8 and 10 mm



Technical Specification and Material



- Nominal Size
4" or 100 mm
- Accuracy Class
Class 1.6 to EN 13190
- Ingress Protection
IP 45
- Connection Size
Sliding connection standard
Size G¼", G½" or NPT
- Temperature Scale Range
-40°..+600 °C (-40°..+1100 °F)
- Sensing Element
Coiled bimetal sensing
- Filling
Dry, Not available for filling
- Operating Temperature
Ambient temperature -50°.. +120 °C
- Maximum Pressure with Thermowell
Maximum 25 Bar
- Bezel Ring Type
Hermetically sealed fastening type
Adjustment knob for setting point
- Dial Graduation
Standard in dual ranges °F and °C
- Casing and bezel
SS 304
- Sensor and Connection
SS316, standard Ø6.3 mm, others as option

Contact Types



Contact Capacity	Type O	Type OC	Type CO
<p>1-3 : Upper limit 2-3 : Lower limit : Ground</p> <p>* Magnetic and Electric Contact : Electrical switch high capacity (Max.250V, 30W DC, 50VA) * Inductive contact, please consult with us..</p>	<p>Contact open above set point</p>	<p>1st contact open & 2nd close above set point</p>	<p>1st contact close & 2nd open above set point</p>
	Type C	Type OO	Type CC
	<p>Contact close above set point</p>	<p>1st contact open & 2nd open above set point</p>	<p>1st contact close & 2nd close above set point</p>

Ordering Code



BTE500 <Temperature range^①> Mounting^② - Sensor L^③ - Connection^④ - Contact^⑤*Option^⑥

①	Temperature range (Single Std)	
	°F	°C
	-40° .. +140 °	-40° .. +60 °
	-40° .. +180 °	-40° .. +80 °
	-32° .. +140 °	0 .. 60 °
	-32° .. +210 °	0 .. 100 °
	-32° .. +250 °	0 .. 120 °
	-32° .. +300 °	0 .. 150 °
	-32° .. +390 °	0 .. 200 °
	-32° .. +570 °	0 .. 300 °
	-32° .. +750 °	0 .. 400 °
	-32° .. +930 °	0 .. 500 °
	-32° .. +1100 °	0 .. 600 °

②	Mounting Type
D	Direct mounting
W	Bottom mount, back fange (Wall)

③	Stem Length in Inch (mm)
	Sensor length 2.5" (60mm) .. 24" (600 mm)

④	Connection size
G2	½" BSP
N2	½" NPT
G4	¼" BSP
N4	¼" NPT

⑤	Contact Function
O	Contact open above set point
C	Contact open above set point
OC	1st open & 2nd close above set point
OO	1st open & 2nd close above set point
CO	1st open & 2nd close above set point
CC	1st open & 2nd close above set point

⑥	Option
DX	Sensor size, eg Ø8 mm - D8
SC	SS316 case and bezel ring
SM	Other connection size
DP	Grag pointer, resetable with key