



EXSERIES
Caliber™

OUE-BTX1-N-B

**Explosion-proof,
wall mount thermostat (Bi-metal)**

**Class I, Division 1 & 2, Groups C & D
Class II, Division 1, Groups E, F & G
Class II, Division 2, Groups F & G; Class III; T6**

**Class I, Zone 1, Ex db, Groups IIA, IIB, T6, Gb
Class I, Zone 2, Ex dc, Groups IIA, IIB, T6, Gc
Class I, Zone 1, AEx db, Groups IIA, IIB, T6, Gb
Class I, Zone 2, AEx dc, Groups IIA, IIB, T6, Gc
Class II, Zone 21, Ex tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 22, Ex tc, Groups IIIA, IIIB & IIIC, T85°C, Dc
Class II, Zone 21, AEx tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 22, AEx tc, Groups IIIA, IIIB & IIIC, T85°C, Dc**

-50°C ≤ T amb ≤ +40°C, IP66, Type 4

www.ouellet.com

For hazardous-location air temperature control rely on the Ouellet ExCaliber™ series of bi-metal explosion-proof thermostats for the most dependable, accurate, robust and troublefree service available.

Features & Benefits Include:

- Bolted, removable cover provides instant access for installation and servicing.
- Dial locking screw prevents unwanted adjustments.
- Phenolic thermal-break standoffs between knob & base prevents heat creep.
- IP66/Type 4 ratings for moisture/dust protection.
- Aluminum housing with no exposed copper or brass provides suitability for H2S environments.
- CFC & mercury free, no leveling required.
- Fast-acting, accurate, bi-metal sensing plate is unaffected by altitude.
- Two (3/4" NPT) openings for easy field wiring (includes one 3/4" plug).
- Field wiring from either vertical or horizontal orientation for flexibility of install.
- Can be used to directly control small HP motors and resistive loads.
- Third party impact tested for ensured durability.

Typical Applications:

Heaters, exhaust fans & air conditioners.

Protection Method:

- Flameproof: CSA 22.2 No. 30
UL 1203
- Dust ignition proof: CSA 22.2 No. 25
UL 1203
- Ingress protection: IEC 60529
CSA 22.2 No. 94
UL 50

The OUE-BTX1 is available as a built-in option on all sizes of Ouellet OPXA explosion-proof air heaters. Field retrofit kits are available to convert OPXA with a OUE-BTX1 built-in thermostat into a heater with a wall mount thermostat configuration.

Specifications: (SPDT for heating or cooling applications)

- Temperature adjustment range: 5°C to 25°C (40°F to 80°F)
- Temperature differential: +/- 1°C (1.8°F) from set point
- Operating limits: -50°C (58°F) ≤ T amb ≤ +40°C (104°F)
- Storage limits: -50°C to +60°C (-58°F to +140°F)
- Switching: Snap acting
- Field wiring openings: Two 3/4" NPT (includes one 3/4" plug)
- Ingress protection: IP66/Type 4
- Net weight: 1.5 Kg (3.3 Lbs)
- Ship weight: 1.6 Kg (3.5 Lbs)
- Shipping dimensions: 12.7 cm x 12.7 cm x 15.2 cm (5" x 5" x 6")



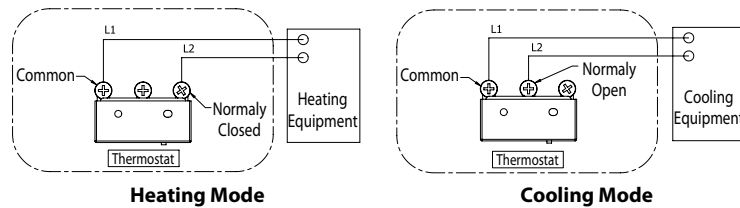
Dial locking screw

Electrical rating: (voltage-free contacts)

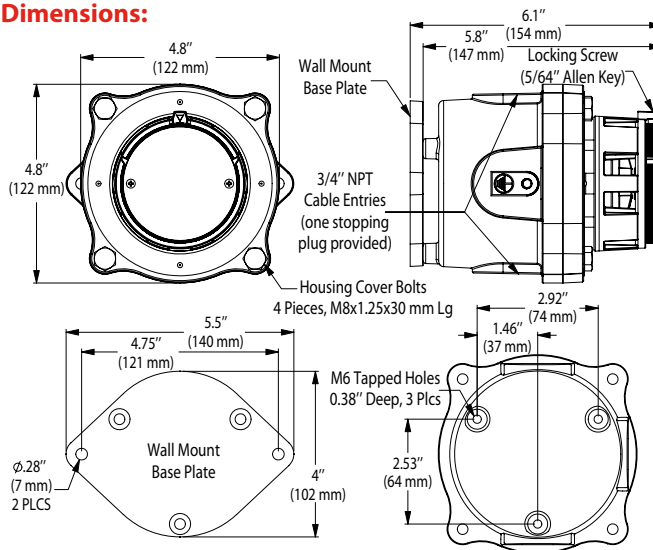
22 Amps Res., 480VAC Max., 50/60Hz; 1/2HP @ 125VAC; 1HP @ 250VAC
Pilot Duty: 490VA @ 125VAC, 800VA @ 250VAC

Model: BTX1-N-B

Wiring Diagram:



Physical Dimensions:



Limited 36-Month Warranty

Ouellet Canada inc.warrants all ExCaliber™ bi-metal explosion-proof thermostats against defects in materials and workmanship under normal conditions of use for a period of thirty-six (36) months from date of purchase based on the following terms:

1. The thermostat must not be modified in any way.
2. The thermostat must be stored, installed and used only in accordance with the owner's manual and attached data plate information.
3. The complete thermostat may be returned to our manufacturing plant for repair or replacement (at our discretion), freight charges prepaid.
4. Contamination by dirt, dust, etc. or corrosion will not be considered as defects.
5. This warranty shall be limited to the actual equipment involved and, under no circumstances, shall include or extend to installation or removal costs, or to consequential damages or losses.

Ouellet Canada Inc. reserves the right to make any changes to this sheet or its products at any time without notice.



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