

# Explosion-Proof Thermostats - XT

The Norseman™ XT Series explosion-proof thermostat utilizes the unique **x-Max**® system to provide maximum durability, safety and ease of use. Three basic units are available to suit most hazardous location temperature control applications.

Norseman™ XT thermostats are suitable for air, duct, pipe or tank temperature control.

- Approvals for all area classifications
- Value engineered
- Remote or local temperature sensing
- Rating to 600V, S.P.S.T. and D.P.S.T.
- Multiple conduit entries
- O-rings for moisture protection

## Norseman™ XTB

The type XTB is normally used for remote sensing. A CSA certified packing gland is provided to allow the 57" (1448 mm) capillary to exit the **x-Max**® housing.

### Certification

All Norseman™ XTB's are certified for Class I, Groups C & D, Class II, Groups E, F & G, and Class III hazardous locations, Divisions 1 and 2.

## Norseman™ XTW

The type XTW is suitable for air or liquid temperature sensing and control in all hazardous locations. For air sensing applications, a finned stainless steel thermostat well assembly is provided to enclose the thermostat bulb. For liquid sensing applications, the Norseman™ XTW has an external 1/2" (13 mm) NPT thread on the well assembly to permit easy installation into the tank wall.

### Certification

All XTWs are certified for Class I, Groups A, B, C & D, Class II, Groups E, F & G and Class III hazardous locations, Divisions 1 and 2.

## Thermostat Kit - XTK

The type XTK is a thermostat kit suitable for field installation into other **x-Max**® products, such as the Norseman™ XB explosion-proof convection heater, the Norseman™ CXC explosion-proof screwplug heater or the Norseman™ XGB explosion-proof unit heater. This allows these products to be stocked without thermostat and have a kit supplied when required.

The Norseman™ XTK is available either with a thermostat well assembly or with a packing gland and 60" (1524 mm) capillary for remote bulb sensing.

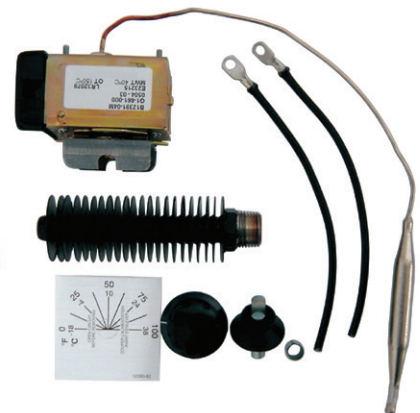


Table 16 – Norseman™ XT Explosion-Proof Thermostats

| Part No.                                |                               | Description  | Temperature Range             | Hazardous Area Rating   |  | Approximate Weight |
|---|-------------------------------|--|-------------------------------|---|--|--------------------|
| S.P.S.T. -<br>15 A/600V<br>1Ø 25 A/277V | D.P.S.T. -<br>15 A/600V<br>3Ø |  |                               | Class I Div. 1, 2<br>Group A, B, C & D<br>Class II Div. 1, 2<br>Group E, F & G<br>Class III Div. 1, 2 | Class I Div. 1,<br>Group C, D<br>Class II Div. 1, 2<br>Group E, F & G<br>Class III Div. 1, 2 | lbs (kg)           |
| XTB04481                                | XTB04483                      | Remote sensing bulb with 57" (1448 mm) capillary length              | 0°F to 100°F (-18°C to 40°C)  | -   |  | 3.8 (1.7)          |
| XTB12481                                | XTB12483                      |  | 50°F to 250°F (10°C to 120°C) | -   |  | 3.8 (1.7)          |
| XTWL04481                               | XTWL04483                     | Bulb in well with 1/2" (13 mm) NPT fitting for liquid sensing        | 0°F to 100°F (-18°C to 40°C)  | ✓   |  | 4.0 (1.8)          |
| XTWL12481                               | XTWL12483                     |  | 50°F to 250°F (10°C to 120°C) | ✓   |  | 4.0 (1.8)          |
| XTWA04481                               | XTWA04483                     | Bulb in finned well for air sensing                                  | 0°F to 100°F (-18°C to 40°C)  | ✓   | ✓  | 4.0 (1.8)          |
| XTWA12481                               | XTWA12483                     |  | 50°F to 250°F (10°C to 120°C) | ✓   |  | 4.0 (1.8)          |
| XTKW04481                               | XTKW04483                     | For XB heaters use as add-on kit. Well assembly provided             | 0°F to 100°F (-18°C to 40°C)  | ✓   |  | 0.7 (0.3)          |
| XTKW12481                               | XTKW12483                     |  | 50°F to 250°F (10°C to 120°C) | ✓   |  | 0.7 (0.3)          |
| XTKB04481                               | XTKB04483                     | For CXC and XGB heaters use as add-on kit with 8" (203 mm) capillary | 0°F to 100°F (-18°C to 40°C)  | -   |  | 0.5 (0.2)          |
| XTKB12481                               | XTKB12483                     |  | 50°F to 250°F (10°C to 120°C) | -   |  | 0.5 (0.2)          |

### Construction

- Housings and covers are made from copper-free extruded aluminum
- Standard models XTW and XTB have an attractive black finish. Enclosures are provided with 3/4" NPT conduit entries on two sides
- All units are shipped with a universal bracket suitable for horizontal or vertical mounting
- All Norseman™ XT explosion-proof thermostats use the unique "Track and Trolley" wiring system for ease of connection. The Norseman™ XTW and Norseman™ XTB are provided with a 14-gauge wire lead for grounding purposes

### Selection of Temperature Codes

Refer to Table 16, page 21 to select the Norseman™ XT best suited to your application.

All thermostats feature a convenient terminal block mounted to a slide-out trolley.

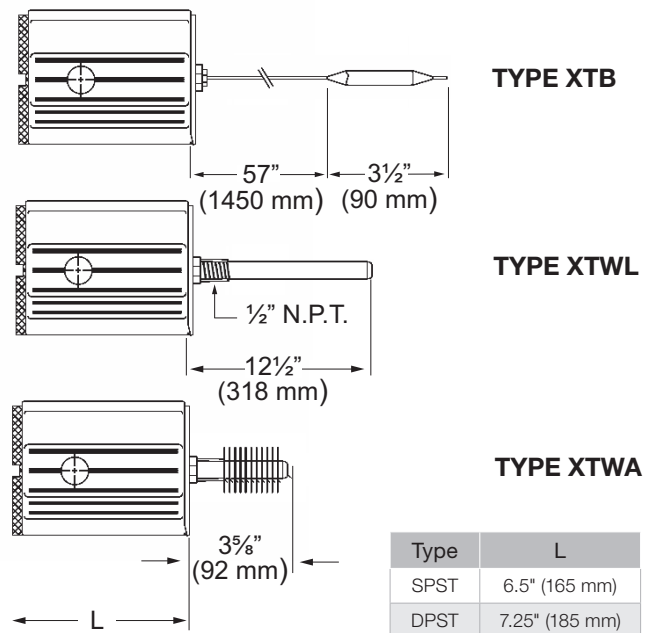


Figure 15 – Norseman™ Explosion-Proof Thermostat Dimensions