

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.

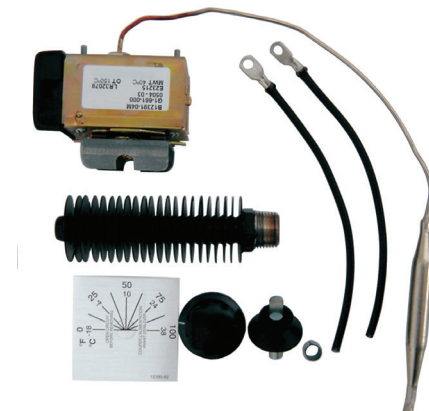


Table 17 – Norseman™ XT Explosion-Proof Thermostats

Part No.		Description	Temperature Range	Hazardous Area Rating		Approximate Weight
S.P.S.T. - 15 A/600V 1Ø 25 A/277V	D.P.S.T. - 15 A/600V 3Ø			Class I Div. 1, 2 Group A, B, C & D Class II Div. 1, 2 Group E, F & G Class III Div. 1, 2	Class I Div. 1, Group C, D Class II Div. 1, 2 Group E, F & G 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 22 to select the Norseman™ XT best suited to your application.

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

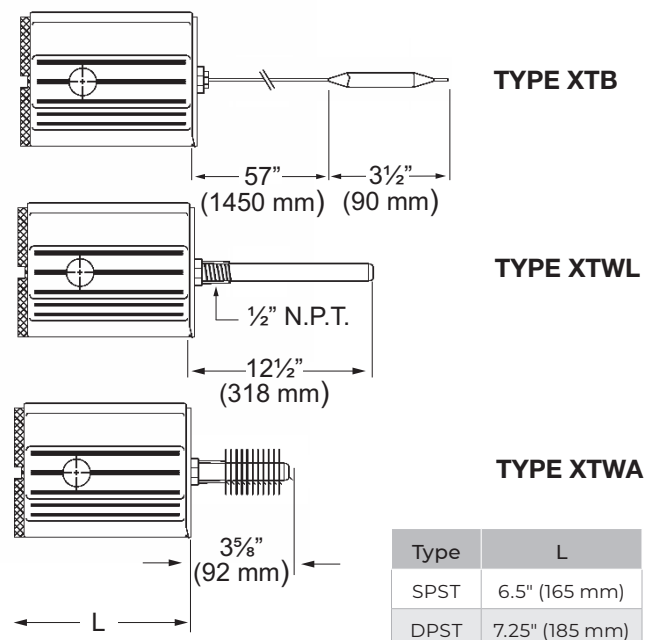


Figure 15 – Norseman™ Explosion-Proof Thermostat Dimensions