

HAZARDOUS LOCATIONS



EXPLOSIONPROOF ROOM TEMPERATURE SENSOR MODEL ST-X◇



DESCRIPTION

The **Model ST-X◇ Explosionproof Room Temperature Sensor** provides accurate space temperature sensing in a compact, unobtrusive housing suitable for wall mounting. The all-aluminum NEMA 7/NEMA 9 enclosure minimizes time lag and allows installation in most atmospheres containing flammable gases or dusts (Groups C, D, E, F, G).



FEATURES

- **Class I, Division 1, Groups C, D; Class II, Division 1, Groups E, F, G**
- **NEMA 7CD, 9EFG**
- **RTD or thermistor styles available**
- **E-Z mount (1/2" NPT conduit entries top and bottom)**
- **Compact, unobtrusive package**



SPECIFICATIONS

Temp range	-30° to 240°F (-34° to 115°C)	Dimensions	5.75"H x 1.63"W x 2.13"D (14.3 x 16.2 x 11.4 cm)
Material	Copper-free aluminum enclosure	Leads	#24 AWG, 8'L (2.4m)
Weight	1.9 lb (0.9 kg)		

Model	Sensor Type	Accuracy
ST-X3, 21, 22, 24, 27, 42	Thermistor	±0.36°F (0.2°C)
ST-X81 and 85	Platinum thin film RTD	±0.48°F (0.27°C) @ 32°F (0°C)
ST-X91	Platinum thin film RTD	±0.91°F (0.46°C) @ 32°F (0°C)

WARNING: This device is not listed for use in areas classified as Group A (acetylene) or Group B (hydrogen and others). Where temperature sensing in these areas is required, an intrinsically safe system using the Model TT211 transmitter is recommended.

CAUTION: Conduit seal **MUST** be installed within code-required distance from sensor to maintain explosionproof rating.

ORDERING INFORMATION

MODEL	DESCRIPTION
ST-X3	10,000Ω Thermistor @ 77°F (25°C), Type III Material (gray leads)
ST-X21	2252Ω Thermistor @ 77°F (25°C), Type II Material (green leads)
ST-X22	3000Ω Thermistor @ 77°F (25°C), Type II Material (blue leads)
ST-X24	10,000Ω Thermistor @ 77°F (25°C), Type II Material (yellow leads)
ST-X27	100,000Ω Thermistor @ 77°F (25°C), Type II Material (gray leads)
ST-X42	20,000Ω Thermistor @ 77°F (25°C), Type IV Material (green leads)
ST-X81	100Ω RTD @ 32°F (0°C), 0.0385 Ω/Ω°C (yellow leads)
ST-X85	1000Ω RTD @ 32°F (0°C), 0.0385 Ω/Ω°C (blue leads)
ST-X91	1000Ω RTD @ 32°F (0°C), 0.0375 Ω/Ω°C (green leads)