



## FireSystem 2000 LTi Series Industrial Enclosures



### Features

- Heavy duty industrial construction.
- Oil resistant door and window gaskets.
- Stainless steel door clamps for water tight seal.
- External mounting feet.
- Door and body stiffeners in larger enclosures for extra rigidity.
- NEMA-4/12 or 4X rated depending upon model selected.

### Description

The FireSystem 2000 LTi Enclosure Series consists of four models which have been designed to accommodate the FS2000 Series fire detection system.

The basic two module size enclosure, Model LTi2X, is constructed of chemical and corrosion resistant fiberglass reinforced polyester, and is NEMA-4X rated. The enclosure consists of a back box and door cover assembly with flush mounted UVA acrylic window, which permits a full view of the internally mounted control panel indicators and modules. The door cover is sealed with a memory retaining, continuous silicone gasket, and is mounted with a sag resistant stainless steel piano hinge. A stainless steel padlock hasp is also provided so that the door cover may be locked to prevent unauthorized entry into the enclosure.

Larger LTi Enclosures are available in four module (LTi4), six module (LTi6), and nine module (LTi9) sizes. Each of these enclosures has been manufactured and rated to meet NEMA Type 4 and Type 12 requirements. To ensure a strong and rigid construction, each Type 4 enclosure is fabricated from 14 gauge steel. All seams are continuously welded and the welds are ground smooth to present an attractive appearance. A rolled lip formed on three sides of the door and on all sides of the enclosure opening, prevents dirt and liquids from dropping into the enclosure when the door is opened.

The door is attached to the enclosure back box by means of a continuous stainless steel hinge, which is welded in place. Removal of the door can be accomplished by pulling the hinge pin. Captive stainless steel clamps are provided on three sides of the door to secure the door in the closed position and ensure uniform sealing pressure around the entire perimeter.

All LTi Enclosures are intended for use indoors or outdoors and are designed primarily to provide a degree of protection against wind-blown dust and rain, splashing water, hose-directed water, and damage from external condensation and ice formation. To prevent the build-up of dangerous battery gases within the sealed enclosure, a separately ordered battery cabinet is required. Consult factory for specific information concerning enclosure venting for internal battery placement.

To further expand the environmental range of the LTi Enclosures, an optional electric heater kit, Model HT-1, is available. The unit consists of a durable aluminum housing, adjustable thermostat, 400 watt heating element, and ball bearing fan rated for continuous operation. Designed to protect the 2000 Series Control Panel from the harmful effects of condensation, and low temperatures, the fan-driven heater maintains a stable temperature within the enclosure so critical components can perform more reliably over a longer period of time.

The heater requires a space clearance area of approximately 50 square inches (322.6 sq. cm), to avoid damage to heat sensitive components and modules. Depending upon the exact panel configuration and options ordered, heater clearance requirements may effect the size of the enclosure needed to house the complete system. Consult factory for information.



## Ordering Information

<u>Encl. Model</u>	<u>Module Spaces</u>	<u>Width Inches (cm)</u>	<u>Height Inches (cm)</u>	<u>Depth Inches (cm)</u>	<u>Enclosure Rating<sup>1</sup></u>	<u>Encl. Color</u>
LTi2X	2	19.5 (49.5)	17.5 (44.5)	9.0 (22.9)	NEMA Type 4X-Fiberglass	Red
LTi4	4	24.0 (70.0)	34.0 (86.4)	6.9 (17.4)	NEMA Type 4/12-Steel	Red <sup>2</sup>
LTi6	6	29.0 (73.7)	34.0 (86.4)	6.9 (17.4)	NEMA Type 4/12-Steel	Red <sup>2</sup>
LTi9	9	29.0 (73.7)	45.0 (114.3)	6.9 (17.4)	NEMA Type 4/12-Steel	Red <sup>2</sup>

<sup>1</sup>Enclosure NEMA Rating cross-referenced to IEC Classification (Approximate) - Type 4 & 4X = IP66, Type 12 = IP55.

<sup>2</sup>Type 4 LTi Enclosures are painted with a gray corrosion resistant primer and finished in a textured red epoxy paint with UV stabilizers suitable for outdoor exposure. Exterior mounted key operated system control switches are available on these models. Refer to Option Z on FireSystem 2000 Data Sheet 9004.

### Enclosure Accessory

Model HT-1 400 Watt Electric Heater rated for 115VAC, 50-60Hz, 3.7 amps max.

Model HT-2 400 Watt Electric Heater rated for 230VAC, 50-60Hz, 1.86 amps max.

Heater kits also include enclosure ventilators for improved air circulation, and require additional module space in the enclosure. Consult factory.