

along with signal processing circuitry. Each detection zone will accommodate up to 5,000 feet (1,524m) of Protectowire Type TRI, 3-wire Dual Temperature Linear Heat Detector (TRI-Wire™). This module senses two alarm trip levels. The first level operates on a low temperature pre-alarm input signal, and the second level is activated by a high temperature alarm signal. In addition to a common alarm output signal, the module provides an auxiliary pre-alarm (low temperature) output signal and an auxiliary confirmed temperature output signal which is initiated only after both the low temperature pre-alarm and high temperature alarm signals have been activated.

Option XX, Class A (Style D)

When using Protectowire Type TRI, 3-wire Dual Temperature Linear Heat Detector (TRI-Wire™), Class A (Style D) detection circuits are configured by utilizing a version of the system's ZC-91 series plug-in zone module. Designated Option XX, each module provides one (1) 3-wire Class A (Style D) detection zone which will operate up to 3,500 feet (1,067m) of Dual Temperature TRI-Wire™. In this configuration, the module provides a separate trouble and alarm indication for both low temperature pre-alarm and high temperature alarm, as well as separate alarm outputs for both activations. Unlike Option X, a confirmed temperature output signal is not available directly from the zone module. With this option, a confirmed temperature alarm signal is only available by using zone operated relays or a Zone Voting Module (Option V) as part of the system configuration.

When either Option X or XX is ordered with the Protectowire Alarm Point Location Meter (Option A), each zone will cause the meter to display in feet or meters, the location of the heat actuated low temperature pre-alarm point on the TRI-Wire™ Linear Heat Detector.

Power Conditioning Module (Option Y)

The PS-95 Power Conditioning Module (Option Y) is designed to provide filtered, regulated DC power from unfiltered, unregulated DC power sources. When 24VDC input power for the PS-95 is taken from the proper point on the control panel, battery backup is provided automatically to devices powered by the module. When operating on battery backup, the PS-95's unique design prevents any voltage drop from occurring across the module.

The PS-95 features an AC-ON green LED indicator and a BACK-UP ON yellow LED indicator. Reset can be accomplished by utilizing the main panel system reset switch or the push button switch located on the module. Provision has also been made to accept a N/O switch connection for remote reset capability.

The module has a current output of 1.5 A @ 26VDC at idle, and 2.0 A @ 26VDC during alarm. Output voltage is factory calibrated at 25.5 to 26VDC.

System Enclosures

EN Series – Type 1

The EN Series System Enclosures are designed to accommodate all input and output modules, power supplies, and batteries (up to 18AH) utilized in the FireSystem 2000.

Each enclosure consists of a back box and door, fabricated of heavy gauge steel and finished in a fine textured beige epoxy enamel finish. The enclosure door, which is mounted on heavy duty sag-resistant hinges, is fitted with a key lock, and may be removed from the back box to permit easy installation and service. Red enclosures are optionally available and may be ordered by adding the suffix "R" to the enclosure model number.

Each enclosure is vented, which allows for internal placement of the emergency standby batteries. The largest battery supplied by the factory, which may be installed in each model enclosure is indicated in the chart below. When the system's battery size requirements exceed the sizes shown, a separately ordered battery cabinet is required. Consult factory for information.

| Encl. | Module spaces | Max. battery | | | |
|-------|---------------|--------------|-------------------|--------------------|-------------------|
| | | size | Width Inches (cm) | Height Inches (cm) | Depth Inches (cm) |
| EN2 | 2 | 10AH | 21" (53.3) | 17" (43.2) | 5" (12.7) |
| EN4 | 4 | 18AH | 21" (53.3) | 31" (78.7) | 5" (12.7) |
| EN6 | 6 | 18AH | 26" (66.0) | 31" (78.7) | 5" (12.7) |
| EN9 | 9 | 18AH | 26" (66.0) | 42" (106.7) | 5" (12.7) |
| EN12 | 12 | 18AH | 26" (66.0) | 53" (134.6) | 5" (12.7) |

Lti Industrial Series — NEMA Type 4/12 & 4X

The Lti Series Enclosures are intended for use indoors or outdoors and are designed primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external condensation. To prevent the build-up of dangerous battery gases within the sealed enclosure, a separately ordered battery cabinet is required. For additional information on Lti Enclosures, refer to Data Sheet 9130.

| Encl. Model | Module Spaces | Width Inches (cm) | Height Inches (cm) | Depth Inches (cm) | Encl. Color |
|-------------|---------------|-------------------|--------------------|-------------------|-------------|
| Lti2X | 2 | 19.5" (49.5) | 17.5" (44.5) | 9.0" (22.9) | Red |
| Lti4 | 4 | 24.0" (70.0) | 34.0" (86.4) | 6.9" (17.4) | Red |
| Lti6 | 6 | 29.0" (73.7) | 34.0" (86.4) | 6.9" (17.4) | Red |
| Lti9 | 9 | 29.0" (73.7) | 45.0" (114.3) | 6.9" (17.4) | Red |

FireSystem 2000 Specifications

AC Supply

120 or 240VAC, 50-60Hz, 1.75 amp max.

Battery Supply

24VDC 4.5-55 ampere hour.

Gel cell (standard)

Nickel cadmium (special order)

Environmental Operation Conditions

Ambient temperature: 32°-120°F (0°-49°C).

Humidity: Max. 95% non-condensing.

Primary System Power

24V FWR by TI, 175VA typical.

System Regulated Power

Each board (MB, EB, RS) has full voltage regulation,

12VDC and 24VDC.

Audible Signaling Device Circuits

24V - FWR with battery standby.

Maximum current: 2 amp/circuit, 3 amp combined.

Requires polarized audible devices.

Relay Contact Ratings

Common alarm: 3 amp @ 30VDC.

Common trouble: 2 amp @ 30VDC.

Approvals*

- UL listed • City of New York #MEA-374-91E
- Factory Mutual • Calif. State Fire Marshal #7165-0854:103