ZYTEQfire

FIGHTER XT

Fire Alarm & Extinguishing Conventional Panel

- Provides control for 1 extinguishing area with 8 zones (Mode 2), including cross-zoning functionality.
- The system uses a 4-wire RS-485 bus to connect expansion modules, including additional zone, relay, and power supply units.



CERTIFIED EN 54-2 CERTIFIED

CERTIFIED EN 54-4 CERTIFIED

CERTIFIED EN 12094-1 CERTIFIED

Overview

The Fighter XT is an expandable, menu-driven conventional fire alarm and extinguishing control panel. It is designed for flexible and cost-effective installations, utilizing 4-wire RS-485 Bus technology.

The system provides comprehensive fire detection, alarm, and extinguishing control for one area with up to 8 zones, and is fully certified to relevant European standards.

Features

- **Multiple Keypad Support:** Supports up to 8 additional LCD keypad units for remote supervision, monitoring, operation, and programming. The system implements a lock-out mechanism for security during programming.
- **Intellizone (Alarm Verification):** A feature to help prevent false alarms by verifying alarm conditions over time or across different detector zones. Can be configured on a per-zone basis.
- **Day/Night Operation:** Works with the Intellizone feature to reduce false alarms during specific hours, such as in designated smoking areas during working hours.
- **Power Supply Expansion:** Can connect and fully monitor up to 16 additional EN54-4 certified power supply units (PSUs).
- **Alarm & Fault Outputs:**
  - Two monitored 24VDC/1A siren outputs (one steady, one programmable pattern).
  - One general fault dry contact relay output (3A max).
- **Automatic Module Detection:** Simplifies installation by automatically detecting new zone, relay, and keypad modules.
- **Independent Bypasses:** Allows for the independent disablement (bypass) of both zone inputs and relay outputs.
- **Walk Test Mode:** A user-activated test mode to easily verify the operation of each detector in the system.
- **Event Log:** Stores up to 1,000 system events for review and diagnostics.
- **Flexible Programming & Monitoring:**
  - Local programming via RS232 connection with "Fighter Serial Programmer" software.
  - Remote supervision, operation, and programming via an optional TCP/IP module and SmartView software.
- **Certifications:** Certified to EN 54-2:1997, EN 54-4:1997, and EN 12094-1:2003.

Technical Specifications

Feature Description	Specification
Power Supply	
Mains Supply	110-130 VAC or 220-240 VAC
Current per PSU	1.8 A @ 24VDC
Auxiliary Output	24VDC ±10%, 800 mA max, current limited, monitored
Batteries	2x 12V, 7Ah sealed lead acid gel, self-regulated
Battery Replacement	Recommended when resistance is > 3 Ohms ±10%
Current Consumption	
Main Board	Standby: 112 mA / Alarm: 350 mA
Zones Expansion Module	Standby: 60 mA / Alarm: 220 mA
Relays Expansion Module	Standby: 40 mA / Alarm: 230 mA
Keypad Unit	Standby: 25 mA / Alarm: 110 mA
Inputs (Zones)	
Zone Voltage	16.3 VDC ±10%, 0.5 V max ripple
Zone Reset Operation	0.5 VDC max voltage, duration 3.1 sec
Detector Standby Current	15 mA max per zone
Zone Wiring Ratings	10 Ohm max wiring resistance, 5uF max capacitance
Outputs	
Signaling Devices (Sirens)	2 outputs, 24VDC ±10%, 1A max each, fused and monitored
Fault Relay Contacts	Dry contacts (NO/NC), 30 VDC, 3 Amps
System Capacity & Expansion	
Main Board Zones	8 zones
Total Zones	Up to 72 (with 8 expansion boards of 8 zones each)
Total Relays	Up to 72 (with 9 expansion boards of 8 relays each)
Total Keypads	Up to 8 expansion keypads
Module Addressing	On-board dip-switch selection

Feature Description	Specification
Bus System	
Type	4-wire RS485 bus system
Bus Voltage	24VDC typical
Max Length	1200m (using typical RS485 cables)
Max Capacitive Load	400 nF
Physical & Environmental	
Operating Temperature	Class A: -5°C to 40°C (23°F to 104°F)
Humidity	5% to 95% RH, non-condensing
Terminal Blocks Rating	Rated for 12 to 18 AWG (0.75 to 2.5 sq mm) wire
Dimensions	Fighter XT Panel: 310 H x 450 W x 90 D mm KSDA Keypad: 155 H x 110 W x 282 D mm
Certifications	
Fire Detection & Alarm	EN 54-2:1997/A1:2006/AC:1999
Power Supply	EN 54-4:1997/A2:2006/AC:1999
Extinguishing	EN 12094-1:2003

Ordering Information

Order Code	Part No.	Description
PH.PL.FIP.R8	FIGHTER XT	Fire Alarm & Extinguishing Conventional Panel

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