

PLUS-XT RELEASING PANEL

FW1810-13



PRODUCT OVERVIEW

The FireWatch Plus-XT extinguishant releasing panel designed for small to medium fixed firefighting installations. It is engineered to deliver exceptional performance and reliability, featuring three detection zones as standard. Users can configure the panel to activate extinguishant release from any combination of detection zones, making it highly adaptable to various applications. The panel's robust construction features all electronics mounted on a single, easily removable steel plate, ensuring both durability and straightforward installation.

Approvals



MANUFACTURER'S SPECIFICATION

Material	1.2mm mild sheet steel
Finish	Epoxy powder-coated
Color Options	Standard red (RAL 3002) or grey (BS 00A05, semi-matt)
Ingress Protection (IP)	IP30 rated
Operating Temperature	0°C to + 49°C
Power Supply	230VAC or 115VAC
Mains Fuse	1.6A (FL.6AL250V)
Power Output Rating	3A total, including battery charging
Battery Type	Two 12V 7Ah sealed lead-acid batteries, connected in series
Battery Charging Voltage	27.6VDC, temperature compensated
Battery Charging Current	Maximum 0.7A
Battery Protection Fuse	3.15A glass fuse (20mm)
Sounder Outputs	24V outputs, electronically fused at 500mA

KEY FEATURES

- **UL864 and FM Listed:** The panel meets high safety and performance standards, ensuring reliability in fire safety applications.
- **Three Initiation Circuits:** Comes standard with three initiating circuits, allowing for versatile configuration.
- **Flexible Configuration:** Users can configure any single zone or a combination of zones to activate the extinguishant release.
- **Status Indicators:** Supports up to seven four-wire status indicators for enhanced monitoring of system status.
- **Configurable NAC Delays:** Features configurable first-stage Notification Appliance Circuit (NAC) delays for tailored responses.
- **Detection Delays:** Offers configurable detection delays to prevent unwanted activations.
- **Zero Time Delay Option:** Provides a manual release option with no time delay for immediate activation when needed.
- **Built-in Extract Fan Control:** Includes control for extract fans, contributing to the effective management of smoke and heat during an incident.

MANUFACTURER'S SPECIFICATION

Relay Contact Ratings	30VDC, 1A (fault, fire, local fire, first and second stage, extract)
Detection Circuits (Zones)	Max 32 detectors per zone
End of Line Resistors	6K8 ½ Watt (detection circuits)
NAC Circuits	2x first stage, 1x second stage
Extinguishant Output	Fused at 1A
Extinguishant Release Delay	Adjustable 0-60 seconds (5-second steps)
Extinguishant Release Duration	Adjustable 60-300 seconds (5-second steps)
SIL, AL, FLT, RST Inputs	Switched -ve, max resistance 100 ohms
Zone Normal Threshold	8K ohms to 1K ohm
Detector Alarm Threshold	999 ohms to 400 ohms
Call Point Alarm Threshold	399 ohms to 100 ohms
Short Circuit Threshold	99 ohms to 0 ohms
Monitored Inputs Normal Threshold	8K ohms to 1K ohm
Monitored Inputs Alarm Threshold	999 ohms to 100 ohms
Monitored Inputs Short Circuit Threshold	99 ohms to 0 ohms
Status Unit / Ancillary Board Connection	Two-wire RS485 connection
Status Unit Power Output	Fused at 500mA with electronic fuse

KEY FEATURES

- **Compatible with Intrinsically Safe (I.S.) Barriers:** Ensures safe operation in hazardous environments by supporting I.S. barriers.
- **Non-Latching Zone Input Option:** Allows the system to receive signals from external systems like aspirating equipment, enhancing integration.
- **Configurable Releasing Delays:** Offers adjustable releasing delays up to 60 seconds, in 5-second increments, for tailored response timing.
- **Customizable Releasing Duration:** The release duration can be configured for up to 5 minutes, also adjustable in 5-second steps.
- **Countdown Timer Display:** Shows the remaining time until extinguishant release for improved user awareness and safety.

Access Level 2	Access Level 3
Test Zones 1 to 3	Sounder delay configuration
Disable Zones 1 to 3	Configure coincidence detection
Disable 1st stage alarms	Disable panel features
Disable pre-activated 1st stage relay	Configure zone alarm delays (detectors)
Disable pre-activated 2nd stage relay	Configure zone alarm delays (call points)
Disable extract fan output	Configure zones for I.S. barrier use
Disable manual release input	Enable zone short circuit alarm
Disable releasing sub-system	Set zones to non-latching mode
Activate extract fan output	Configure zone input delay
Activate alarm delays	Set extinguishant release time delay
-	Configure extinguishant release duration timer
-	Configure extinguishant reset delay timer

