1-23911-K116

FireBeta A-XT Extinguishing Control Panel

General

The FireBeta A-XT UL/FM listed extinguishing control panel is designed and manufactured to the highest standards in a quality controlled environment. With UL and FM approvals it offers outstanding value and performance for small to medium sized fixed firefighting installations. FireBeta A-XT is supplied in a red enclosure.

The 3 initiation circuits allow extinguishant release to be configured to activate from any combination of detection zone inputs. This allows (among others) any 2 zones from the combination of 3 to activate release, making it ideal for applications protecting ceiling, room and floor voids.

The extensive configuration options of the FireBeta A-XT allow the functionality of the system to be extensively modified. A large LED display on the panel fascia enables easy configuration and control. It additionally displays the time remaining until extinguishing agent release for added user safety.

The countdown timer may be duplicated on up to 7 remote status units to provide local indication of the system status. This allows the agent release status to be displayed at, for e.g. multiple entrances to a protected area, adding additional user safety. The communication between the panel and its status indicators is fully monitored.

The internal electronics are mounted on a single, easily removable, steel plate making FireBeta A-XT panels both robust and easy to install.

Programmable Functions

Access Level 2
- Test Zones 1 to 3
- Disable Zones 1 to 3
- Disable 1st Stage Alarms
- Disable Pre-activated 1st Stage Relay
- Disable Pre-activated 2nd Stage Relay
- Disable Extract Fan Output
- Disable Manual Release Input
- Disable Releasing Sub System
- Activate Extract Fan Output
- Activate Alarm Delays

Access Level 3
- Sounder Delay
- Coincidence Detection
- Disable Panel Features
- Zone Alarm Delays (Detectors)
- Zone Alarm Delay (Call stations)
- Configure Zone for I.S Barrier Use
- Zone Short Circuit Alarm
- Zone Non Latching
- Zone Inputs Delay
- Extinguishant Release Time Delay



Details

- UL864 and FM listed
- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage NAC delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable releasing delays up to 60 seconds in 5 second steps
- Configurable releasing duration up to 5 minutes in 5 second steps
- Countdown timer shows time remaining to release
- Supports up to seven, four wire status indicators
- Built in extract fan control

- Extinguishant Release Duration Timer
- Extinguishant Reset Delay Timer

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Technical specifications

General

Status indicaton	LEDs
Compatibility	Status unit/Ancillary board connection
Connectivity	Two wire RS485
Communication ports	1
Maximum system capacity (device count)	up to 96
Network size (nodes)	up to 8

Electrical

Power consumption	100 W (max)
Operating voltage	28 VDC ±2 V
Current consumption	0.095 A
Power supply type	115/230 VAC
Mains supply fuse	1.6 A (F1.6A L250V)
Power supply rating	3 A
Maximum ripple	200 mV

Zone

Maximum zone capacity	up to 3
Quantity of devices per zone	32 (max) type dependent
Quiescent current	2 mA (max)
Termination	6k8 ½ W
Thresholds	Normal, 8 to 1 kΩ
Thresholds	Detector alarm, 999 to 400 Ω
Thresholds	Manual call point alarm, 399 to 100 Ω
Thresholds	Short circuit, 99 to 0 Ω

Input

Input quantity	4
Input type and rating	SIL, AL, FLT, RST switched -ve 100 Ω
Termination	6k8 ½ W
Thresholds	Normal, 8 to 1 kΩ
Thresholds	Alarm, 999 to 100 Ω
Thresholds	Short circuit, 99 to 0 Ω

Output

Output quantity	13
Output type and rating	Output specific
Fire alarm signalling	1 A @ 30 VDC
Fault signalling	1 A @ 30 VDC
Notification	500 mA @ 24 V
Auxilliary power	500 mA @ 24 V
Programmable	Yes
Termination	Output specific
Output type and rating	ROV, 500 mA
Output type and rating	Local fire relay, 1 A @ 30 VDC
Output type and rating	1st stage relay, 1 A @ 30 VDC
Output type and rating	2nd stage relay, 1 A @ 30 VDC
Output type and rating	Extract fan, 1 A @ 30 VDC
Output type and rating	Extinguishing release, 1A
Extinguishing release delay	0 to 60 s (5 s steps)
Extinguishing release duration	60 to 300 s (5 s steps)
Termination	Notification, 10K ¼ W
Termination	Extinguishing, 1N4004

Standby battery

Capacity	2 x 12 V, 7 Ah
Charging	0.7 A @ 27.6 VDC (temperature compensated)
Batteries supported in housing	2
Type	Yuasa NP SLA
Battery fuse	3.15 A, glass, 20 mm
Battery current	3 A (max)

Physical

Form factor	Vægmontering
Physical dimensions	368 x 310 x 90 mm
Colour	Rød
Mounting type	Vægmontering
Material	Mild sheet steel (1.2 mm)
Finish	Epoxy powder coated
Terminal capacity	12 AWG

Environmental

Vandal proof	No
Environment	Indendør
IP rating	IP30

Regulatory

Compliancy	UL
Certification	FM, UL
Standards	UL864

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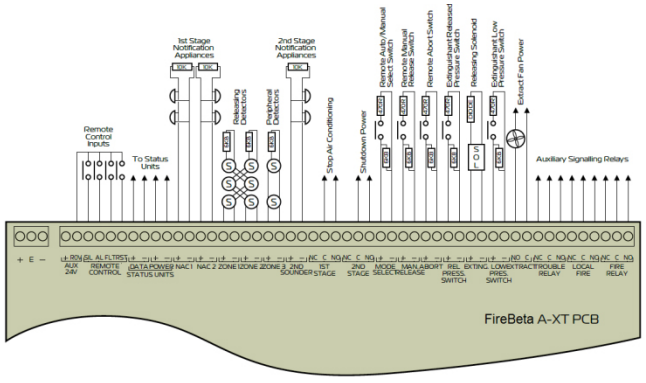

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