# 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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## FireBeta A-XT Extinguishing Control Panel

## Technical specifications

### General

| | |
|---|---|
| Status indicaton | LEDs |
| Compatibility | Status unit/Ancillary board connection |
| Connectivity | Two wire RS485 |
| Communication ports | 1 |
| Maximum system capacity (device count) | jusqu'à 96 |
| Network size (nodes) | jusqu’à 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 | jusqu'à 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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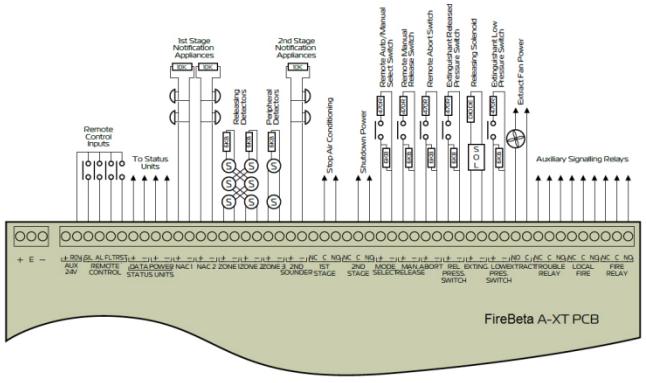
## FireBeta A-XT Extinguishing Control Panel

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