# 1-23911-K085

## FireBeta XT+ Extinguishing Control Panel (4 Zone / 2 Area)

### General

The FireBeta XT (4 Zone / 2 Area) is a multi-area extinguishing control panel complying with EN12094-1, EN54-2 and EN54-4. It offers 4 detection zones for controlling 2 extinguishing areas.

Each extinguishing area has a comprehensive set of inputs and outputs and is configurable via a simple programming interface. All extinguishing areas may have up to 7, serially connected status indication and control units connected via a simple 4 core cable.

The versatility of the control panel may be further enhanced by the fitting up to 7 ancillary or sounder boards to the RS485 serial bus.




### Details

- EN12094-1, EN54-2 and EN54-4 approved
- Four detection zones and 2 extinguishing areas as standard
- Dual configurable extinguishing outputs as well as first and second stage sounder outputs for each area
- First and second stage potential free changeover contacts for each area
- Agent released and common fault potential free contact per area
- Programmable extinguishing delays and output duration
- Extract fan control
- A countdown indicator shows the time in seconds until release
- Mode select and manual release controls per area
- Monitored remote inputs for manual release, hold, mode select (door interlock), released pressure switch, and low pressure switch
- Monitored abort input
- Serial connection for status units and ancillary boards

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## FireBeta XT+ Extinguishing Control Panel (4 Zone / 2 Area)

## Technical specifications

### General

| | |
|---|---|
| Status indicaton | LEDs & countdown timer |
| Compatibility | Status unit/Ancillary board connection |
| Connectivity | Two wire RS485 |
| Communication ports | 1 |
| Maximum system capacity (device count) | up to 128 |
| Network size (nodes) | up to 8 |

### Electrical

| | |
|---|---|
| Power supply type | 230 VAC |
| Power consumption | 100 W (max) |
| Operating voltage | 28 VDC ±2 V |
| Current consumption | 0.095 A |
| Mains supply fuse | 1.6 A |
| Power supply rating | 3 A |
| Maximum ripple | 200 mV |

### Zone

| | |
|---|---|
| Maximum zone capacity | up to 4 |
| Operating voltage | 21 to 28 VDC |
| Quantity of devices per zone | 32 (max) type dependent, typically 20 |
| Cable rating | 0.5 mm² to 2.5 mm² solid or stranded wire, FP200 or equivalent (max capacitance 1µF max inductance 1 mH) |
| Quiescent current | 2 mA (max) |
| Termination | 6k8 ½ W |
| Thresholds | Normal, 10 to 2 kΩ |
| Thresholds | Detector alarm, 1000 to 390 Ω |
| Thresholds | Manual call point alarm, 370 to 150 Ω |
| Thresholds | Short circuit, 130 to 0 Ω |

### Input

| | |
|---|---|
| Input quantity | 4 |
| Input type and rating | SIL, AL, FLT, RST switched -ve 100 Ω |
| Programmable | Yes |
| Termination | 6k8 ½ W |
| Thresholds | Normal, 10 to 2 kΩ |
| Thresholds | Alarm, 2000 to 150 Ω |
| Thresholds | Short circuit, 140 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 | 1 A @ 21 to 28 V |
| Auxilliary power | 500 mA @ 24 V |
| Programmable | Yes |
| Termination | Output specific |
| 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 @ 21 to 28 VDC |
| Output type and rating | Status unit, 500 mA @ 21 to 28 VDC |
| 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 |
| Colour Code | BS 00 A 05 |
| Battery current | 3 A (max) |

### Physical

| | |
|---|---|
| Form factor | Wall mount |
| Physical dimensions | 385 x 520 x 110 mm |
| Net weight | 8 kg |
| Colour | Grey |
| Mounting type | Wall mount |
| Material | Mild sheet steel (1.2 mm) |
| Finish | Epoxy powder coated |
| Terminal capacity | 12 AWG |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Environment | Indoor |
| IP rating | IP30 |

### Regulatory

| | |
|---|---|
| Compliancy | REACH, RoHS 2, WEEE |
| Certification | EN12094-1, EN54-2, EN54-4 |

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