1-23911-K069

FireBeta XT Extinguishing Control Panel (3 Zone / 1 Area)

General

FireBeta XT extinguishing control panels are designed and manufactured to the highest standards in a quality controlled environment. With it's EN12094-1 approvals it offers outstanding value and performance for small to medium sized fixed firefighting installations. The FireBeta XT is supplied in an enclosure that matches the design and colour of the status unit range.

The 3 detection zone circuits allow extinguishing agent release to be configured to activate from any combination of detection zones. 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 XT allow the functionality of the system to be extensively modified to suit the application while still complying with EN12094-1, EN54-2 and EN54-4. 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.

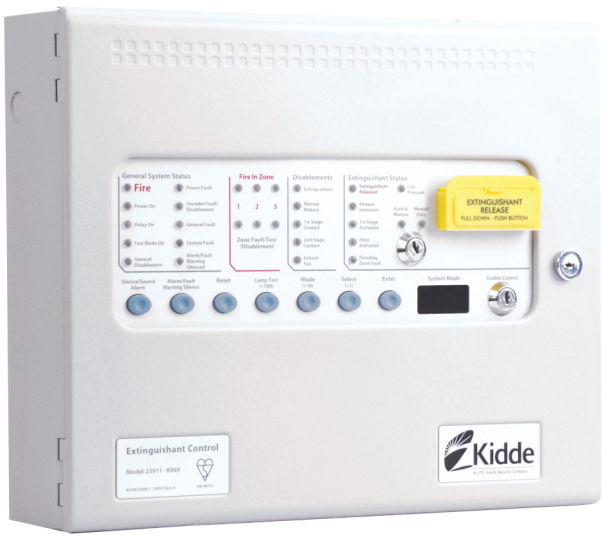
The control panel status can be displayed on up to 7 remote status indicators. This allows the agent release status to be displayed at, for e.g. multiple entrances to a protected area, adding additional user safety. The communication between the panel and its status indicators is fully monitored.

The internal electronics are mounted on a single, easily removable steel plate making the FireBeta XT 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 extinguishant 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 delays (manual call points)
- Configure zone for I.S. barrier use
- Zone short circuit alarm
- Zone non latching
- Zone inputs delay



Details

- EN12094-1, EN54-2 and EN54-4 approved
- Three detection zones as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage sounder delays
- Configurable detection delays
- Zero time delay for manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems e.g. aspiration systems
- Configurable extinguishing agent delays up to 60 seconds in 5 second steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in extract fan control

- Extinguishant release time delay
- 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 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 3
Quantity of devices per zone	32 (max) type dependent
Cable rating	0.5 mm² to 2.5 mm² solid or stranded wire, FP200 or equivalent
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
Programmable	Yes
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
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
Extinguishing release delay	0 to 60 s (5 s steps)
Extinguishing release duration	60 to 300 s (5 s steps)
Termination	Notification, 10 K 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
Battery current	3 A (max.)

Physical

Form factor	Wall mount
Physical dimensions	385 x 310 x 90 mm
Net weight	6 kg
Colour	Grey
Mounting type	Wall mount
Material	Mild sheet steel (1.2 mm)
Finish	Epoxy powder coated
Terminal capacity	12 AWG

Environmental

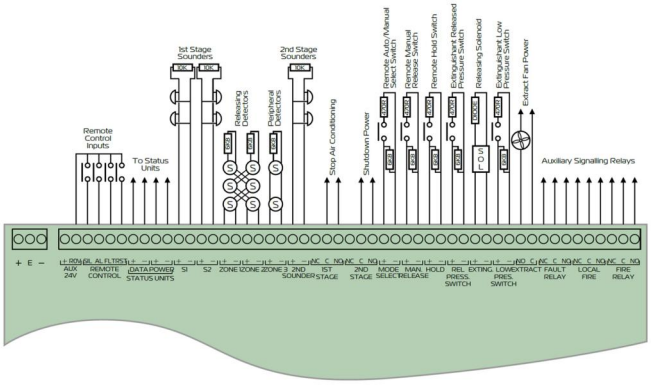
Vandal proof	No
Environment	Indoor
IP rating	IP30

Regulatory

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

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