1-23911-K087

FireBeta XT+ Extinguishing Control Panel (4 Zone / 1 Area)

General

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

The extinguishing area has a comprehensive set of inputs and outputs and is configurable via a simple programming interface. It 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 1 extinguishing areas as standard
- Dual configurable extinguishing outputs as well as first and second stage sounder outputs
- First and second stage potential free changeover contacts
- Agent released and common fault potential free contact
- 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
- 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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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
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
Colour code	BS 00 A 05
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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