1-23911-K090

FireBeta XT+ Extinguishing Control Panel (8 Zone / 4 Area)

General

The FireBeta XT (8 Zone / 4 Area) is a multi-area extinguishing control panel complying with EN12094-1, EN54-2 and EN54-4. It offers 8 detection zones for controlling 4 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
- Eight detection zones and 4 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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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 256
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 8
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	4 A (max)

Physical

Form factor	Wall mount
Physical dimensions	385 x 700 x 145 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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