

FireBeta XT

Single Area Extinguishant Control Panel



Designed and manufactured to the highest standards in a quality controlled environment and with European EN12094-1 approval, the FireBeta XT extinguishant control panel offers outstanding value and performance for small to medium size fixed firefighting installations.

With three detection zones as standard, extinguishant release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) two from three type activations such as would be required for detection in ceiling void, room and floor void applications.

The extensive configuration options of the Firebeta XT allow the functionality of the system to be extensively modified while complying with the requirements of the controlling standard for the equipment (EN12094-1).

The panel contains a large LED display to enable easy configuration and control which also displays the time remaining until extinguishant release for added user safety.

The countdown timer is duplicated on up to seven remote status indicator units to provide local indication of the extinguishant system status.

With all of the electronics mounted on single, easily removable, steel plate FireBeta XT panels are both robust and easy to install.

Surface and flush mounted versions are available, with or without a keyswitch and manual extinguishant release control.

A low pressure indicator provides a monitoring facility for the extinguishant cylinder contents and will directly indicate any loss, via a dedicated, supervised input.

Time delays and discharge time are programmable in 5 second steps.

All configuration options are programmable and stored in non-volatile memory. An update counter is incremented whenever the configuration is changed.

A time display on the control panel and on all status indicator units, shows the time remaining until extinguishant is discharged.

Firebeta XT Key Features

- Configurable third zone
- Serial status connection
- Timer display
- Low pressure input and indicator
- Programmable for I.S.barriers
- Extract fan control as standard
- Hold activated indicator
- Disablement indicators
- Walk test mode
- Two first stage sounder outputs
- One second stage sounder output
- First stage relay contact
- Second stage relay contact
- Auxiliary 24V DC output
- Monitored manual release input
- Monitored extinguishant output
- Monitored 'Released' pressure switch input
- Mode select keyswitch on front panel (optional)
- Manual release on front panel (optional)



FireBeta XT



FireBeta XT SI Status Indicator Units

To complement the FireBeta XT, a range of system status indicator units is available. Up to seven status units can be connected on a serial bus and require just four cores for data and power. Status units are supervised and the FireBeta XT panel will indicate a fault condition should any unit become disconnected.

The Status Indicator Units are housed in attractive enclosures 186 x 132 x 50mm, and finished to match the FireBeta XT control panel.

They have either 6 LED indicators, without zone 1 to 3 fire indications (FireBeta XT 6 SI) or 10 LED indicators, with zone 1 to 3 fire indications (Firebeta XT 10 SI)

Versions are also available with mode select keyswitch and manual release control. All versions are also available in weather proof enclosures.

All Status Indicator Units have a seven segment LED display which shows the time remaining to extinguishant discharge.

Status Indicators

- Manual only
- Auto/manual
- Hold operated
- Disabled
- Imminent
- Released
- Fire Zone 1*
- Fire Zone 2*
- Fire Zone 3*
- Fault*

* Included on 10 LED Status Indicators

Firebeta XT Ancillary Board

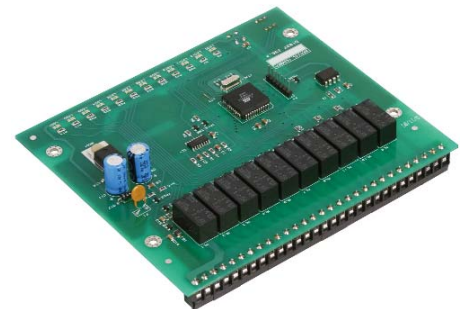
The FireBeta XT Ancillary Board fulfils the requirements to extend signals from the extinguishing system for additional plant control or other signalling applications, such as BMS system interface or house fire alarm systems.

Up to seven Ancillary Boards can be connected to the Status Indicator Unit serial bus to provide distributed control and signalling at multiple locations if required.

Each output of the Ancillary Board has an LED which indicates operation.

The FireBeta XT Ancillary Board contains volt-free changeover contacts for signalling the following:

- Zone 1 fire
- Zone 2 fire
- Zone 3 fire
- Manual only mode
- Disablement active
- Released
- Activated
- Manual release operated
- Extract fan operated
- Hold activated



FireBeta XT



Item	Electrical Rating	Comment
Mains supply	230V AC, 50Hz +10% - 15% (100 Watts maximum)	Standard European mains connection.
Mains supply fuse	1.6 Amp (F1.6A L250V)	Replace only with similar type
Power supply rating	3 Amps total including battery charge 28V +/- 2V	
Battery type (Yuasa NP)	Two 12 V sealed lead acid in series	7Ah maximum
Battery fuse	20mm, 3.15A glass	Replace only with the same type
Current draw in mains fail condition	95mA	With buzzer sounding
ROV output	Fused at 500mA with electronic fuse	200 mA maximum load
Sounder outputs	21 to 28V DC Fused at 500mA with electronic fuse	1.6 Amp total load over all circuits Voltage reversing DC
Fault relay contact rating	5 to 30VDC 1A Amp maximum for each	Volt free changeover contact Maximum ratings not to be exceeded
First stage contact rating	5 to 30VDC 1A Amp maximum for each	Volt free changeover contact Maximum ratings not to be exceeded
Detection circuit end of line	6K8 +/- 5% ½ Watt resistor	Supplied in terminals
Monitored input end of line	6K8 +/- 5% ½ Watt resistor	Supplied in terminals
Sounder circuit end of line	10K +/- 5% ¼ Watt resistor	Supplied in terminals
Extinguishant output end of line	1N4004 Diode	Supplied in terminals
No. of detection circuits	Three. 21 to 28V DC	
No. of sounder circuits	Three. 21 to 28V DC	2 x first stage, 1 x second stage
Extinguishant release output	21 to 28V DC. Fused at 1 Amp	1 Amp maximum load - for 5 minutes Voltage reversing DC
Extinguishant release delay	Adjustable 0 to 60 seconds (+/- 10%)	5 second steps
Extinguishant release duration	Adjustable 60 to 300 seconds	5 second steps
SIL, AL, FLT, RST inputs	Switched -ve, min resistance 0 ohms, maximum resistance 100 ohms	Only to be used with Aux ROV terminal (Switched DC)
Detector alarm threshold	999 ohms to 400 ohms +/- 5%	Nominal trigger resistance 470 ohms
Call point alarm threshold	399 ohms to 100 ohms +/- 5%	Nominal trigger resistance 270 ohms
Short circuit threshold	99 ohms to 0 ohms +/- 5%	
Head removal condition	15.5 to 17.5V +/- 5%	2-wire detector base or schottky diode base
Status unit/Ancillary board connection	Two wire RS485 connection (EIA-485 specification)	Maximum of 14 units- RS485 data cable (EIA-485 specification)
Status unit power output	21 to 28V DC, Fused at 500mA with electronic fuse	300 mA maximum load

Ordering Information

Description	Dimensions (mm)	Part Number
Firebeta XT 3+1 Control Panel	385W x 310H x 90D	23911-K069
Firebeta XT Ancillary PCB	155W x 136H	23911-K070
Firebeta XT 6 SI (Status Indicator Unit)	186W x 132H x 59D	23911-K071
Firebeta XT 6 SI flush mount	210W x 156H x 50D	23911-K072
Firebeta XT 6 SI with keyswitch	186W x 132H x 59D	23911-K073
Firebeta XT 6 SI flush mount with keyswitch	210W x 156H x 50D	23911-K074
Firebeta XT 6 SI with keyswitch & manual release	186W x 132H x 59D	23911-K075
Firebeta XT 6 SI flush mount with keyswitch & manual release	210W x 156H x 50D	23911-K076
Firebeta XT 10 SI with keyswitch & manual release	186W x 132H x 59D	23911-K077
Firebeta XT 10 SI flush mount with keyswitch & manual release	210W x 156H x 50D	23911-K078
Firebeta XT 6 SI Waterproof	256W x 169H x 76D	23911-K079
Firebeta XT 6 SI Waterproof with keyswitch	256W x 169H x 76D	23911-K080
Firebeta XT 6 SI Waterproof with keyswitch & manual release	256W x 169H x 76D	23911-K081
Firebeta XT 10 SI Waterproof with keyswitch & manual release	256W x 169H x 76D	23911-K082

Firebeta XT Panel and Status Indicators IP30

Weatherproof Status Indicators IP65



Kidde Fire Protection operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Kidde Fire Protection should be contacted to ensure that the current issues of all technical data sheets are used.

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