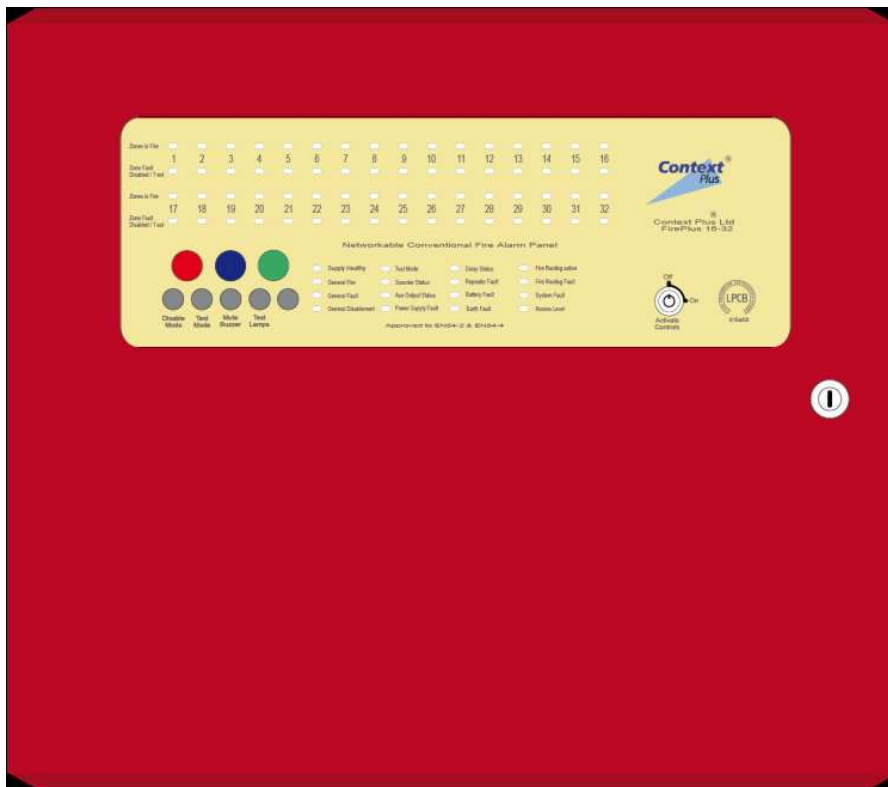


Conventional Networkable FirePlus 16-32 zone Fire Panels-



LPCB Approved. – Made in UK



- Quality, reliability, ease of use and feature rich are attributes that are consistent across the entire range of Context Plus FirePlus panels. The FirePlus 16-32 zone panels encompass all of these attributes to provide the engineer's panel of choice.
- The panels have been designed to minimise labour costs by providing ample space for tasks such as wiring and changing batteries. Activation of controls is via key switch or access code, which means you should always be able to work on the panel and the one man walk tests will help reduce the cost of maintaining the system.

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- A host of configuration & programming options are provided, including: programmable inputs & outputs, false alarm management & zone interface function.
- All inputs and outputs are fully programmable and there are options to add delays to the outputs. The programming features of the FirePlus 16-32 also include 3 different modes to help reduce false alarms.
- As standard, all FirePlus 16-32 panels provide four monitored sounder circuits, Fire & Fault VFCO relays; Fire & Fault switched negative outputs, class change and an alert input.
- Context Plus FirePlus 16-32 zone panels are approved by LPCB to European standards EN54-2 & 4.

LPCB APPROVED



Manufactured in England.

Although the FirePlus 16-32 zone panel is conventional, It can be networked (like an addressable panel) with other conventional Panels in the FirePlus range (See Networking data sheet).

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Main Features

- 16 , 24 and 32 zones conventional panels (networkable up to 8 panels per network loop)
- 3 modes to manage / reduce false alarms (A, B & C)
- Approved by LPCB to EN54-2 & 4
- 3 year warranty
- Four monitored sounder circuits
- Class change & alert, programmable inputs
- Programmable relays & outputs
- Fire alarm routing monitored output- for diallers...
- One man walk test
- Key-switch or code entry for activation of controls
- Fully functional LCD remote display units

More Features

- Available in 3 sizes: 16 , 24 and 32 zones
- Activate controls via key switch or code entry
- Soft tactile buttons for controls & programming
- Compatible with Context Plus conventional detectors
- Integral detector removal monitoring
- 5 Amp switch mode power supply Nominal 27V DC
- 4 monitored sounder outputs
- 2 Aux C/O relays (1 x Fire) (1 x Fault) voltage free
- Class change, Alert, Silence Alarms & Reset switched -ve inputs
- Fire, Fault, Disablement & Reset, programmable switched -ve outputs
- Programmable delays to outputs
- False alarm management modes A, B & C
- Test mode, with or without sounders
- Disable zones, sounder O/Ps, aux O/Ps & delays
- Fire alarm routing output programmable option
- All sounder circuits are fused @ 500mA with resettable fuses.

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External Indications – Level 1

- Zones in Fire
- Zones in Fault, Disabled or In Test Mode
- Supply Healthy
- General Fire
- General Fault
- General Disablement
- Test Mode
- Sounder Status
- Aux Output Status
- Power Supply Fault
- Delay Status
- Repeater Fault
- Battery Fault
- Earth Fault
- Fire Routing Active
- Fire Routing Fault
- System Fault
- Access Level

External Controls – Level 2

- Key switch or code entry 'activate controls'
- Colour coded buttons for controls and programming
- Button functions:
 - Resound
 - Silence
 - Reset
 - Disable Mode
 - Test Mode
 - Mute Buzzer
 - Test Lamps
 - Enter

Internal Controls

- PSU Voltage adjustment
- DIL switches:
 1. Zone interface quick set
 2. Access Level 3 mode

Access level 3 options

- View event history
- Set buzzer volume
- Clear all disablements
- Initialise factory settings
- Panel wide settings including, change keypad access code, set delay time, and set number of repeater panels
- Set zonal functions including, non latching zones, short cct fire, detector removal monitoring & silent mode
- Set intrinsically safe zones
- Set panel & zones to dependency mode
- Select sounder resound options for zones (EN54 requirement)
- Program inputs
- Program outputs
- Program repeater panels

Cabinet details

- 1.2mm mild steel, lockable, 20mm knockouts
- Colour: Red, powder coated
- Back box = 450mmW x 400mmH x 130mmD
- Lid = 465mmW x 410mmH x 25mm (Return)
- Max battery size = 2 x 18.0Ah, 12v, Sealed Lead Acid

False Alarm Management

FirePlus 16-32 zone panel incorporates false alarm management functions to one of three different modes as described in EN54-2. False alarm management can be selected for individual zones panels.

Mode A:

The first alarm is not indicated and the sounders do not activate. The panel resets and rechecks the zone within 30-40 seconds, if an alarm is detected the panel activates a full fire condition. Any new alarm from the same or a different zone within 30 minutes also activates a full fire condition.

Mode B:

The first alarm will indicate at the panel but the sounders do not activate. The panel resets and rechecks the zone within a programmable time period (from 1 to 4 minutes). If an alarm is detected the panel activates a full fire condition. Any new alarm from the same or a different zone within a second programmable time period of 5 to 30 minutes will also activate a full fire condition unless the reset button is pressed.

Mode C:

The first alarm will indicate at the panel but the sounders do not activate. The panel will not activate a full fire condition unless a second device is activated in the same or a different zone.

Programming Features

The FirePlus 16-32 zone conventional panel is provided with a host of programmable features for all zones, sounder circuits, inputs, outputs and relays.

Individual Zone Programming

- Set as latching or non-latching
- Panel can be programmed for Short circuit to equal Fire condition
- Specified for MTL5061 I.S. barrier compatibility
- Compatible with schottky or zener diode bases
- False alarm management modes (Class A, B & C)
- Programmable delays on outputs
- Silent mode for indication purposes - visual and audible alarm at panel but no sounder operation
- Detector removal monitoring can be turned off.
- Zones can be set to pulsing, silence or continuous. Sounder circuits fully programmable to zonal outputs.

Inputs

- Two independent programmable inputs - class change and alert input
- Either or both inputs can be programmed for remote evacuation, remote silence alarm, remote reset.
- Inputs programmable for indication purposes so the zone 32 LED or fault LED will illuminate.

Outputs

- Can be set to latching
- Fault outputs can be inverted
- Aux relays and all outputs, including sounders, are independently programmable:
 - On, off or pulsing
 - Programmed to a dedicated zone
 - Programmed with a custom response to silence alarm, evacuate, class change input, alert input or during zone delay.
- Other sounders can be switched off, pulsing or continuous
- Output delays can be applied to aux outputs and sounders (for example investigation delay for false alarm management).

Sounder Circuit Extension Card



Output Card



Sounder Circuit Extension Card

- monitored sounder circuits, fused @ 0.75A
- Switched -ve input for common sounder circuit operation
- Switched -ve inputs for individual sounder circuits 1 - 4
- Switched -ve common fault output
- Fault relay, NO/NC changeover (failsafe)
- Sounder circuit fault LED indicators, open or short circuit
- Sounder circuit active LED indicators. Fully programmable to zonal outputs

Output Card

- 8 x switched -ve voltage outputs
- 8 x volt free changeover relays
- 28v output
- Can be configured to provide up to 16 common or zonal outputs
- On Reset or Silence, outputs can be configured to cancel