Fire Detection Control Panel

BC08-4S

LST Group of companies

- **Use in small fire detection systems and fire alarm systems**
- **4 detector lines in conventional technology**
- **Direct operation with freely parameterisable buttons**
- **Easy commissioning through selectable standard configurations – even without PC**
- **CPR-certified according to EN 54-2 and EN 54-4**

The compact Fire Detection Control Panel BC08 has been designed for use in small fire detection systems. Proven conventional technology allows the connection of automatic fire detectors, manual call points and contact detectors.
The easy commissioning allows you to optimally adapt the control panel to your individual requirements in a time-saving way. Here one of several practical standard configurations can be chosen on the control panel. An individual parameter setup is created by means of the PC software PARSOFT.

The Fire Detection Control Panel BC08-4S comprises a wall-mount cabinet, the power unit with an output current of 2.2 A as well as the central processing board with display and operating field. The control panel has two line-monitored outputs with 300 mA output current each, as well as two relay outputs. The cabinet can accommodate stand-by batteries with 2 × 12 V / max. 7 Ah. On the operating field there are 6 buttons for direct operation of detector zones or other system parts.

COMPONENTS AND FUNCTIONS IN DETAIL

The Fire Detection Control Panel BC08 provides the following features:

- The conventional detector lines permit the connection of automatic detectors and manual call points in conventional technology as well as of special detectors with relay output. Individual buttons as well as LED pairs on the operating field can be directly assigned to the detector zones.
- Two freely parameterisable control inputs as well as eight freely parameterisable open-collector outputs can be used for general monitoring and control tasks.
- Up to four line-monitored outputs can be used to activate conventional sounders, strobes or combined signalling devices as well as electromagnetic actuation equipment. All outputs can be parameterised and activated independently of each other. Therefore they also can be set up as actuation or transmitting device for a direct interconnection to a designated alarm respondent – for example, the fire brigade.
- The buttons and LED displays on the operating field of the control panel can be assigned to any actuation or alarming device as well as to all actuations or alarming devices of the fire detection system jointly.
- The basic version includes two dry relay contacts which can be used, for example, for forwarding the operating conditions "Alarm" and "Fault".
- In the operating front of the control panel, up to three key switches – for example for entry into authorization – can be installed.
- Freely parameterisable outputs for actuations or alarming devices with logical combinations of detector zones for the activation allow for maximum flexibility. Thus, no additional expenses arise for external time-lag relays or logic gates.

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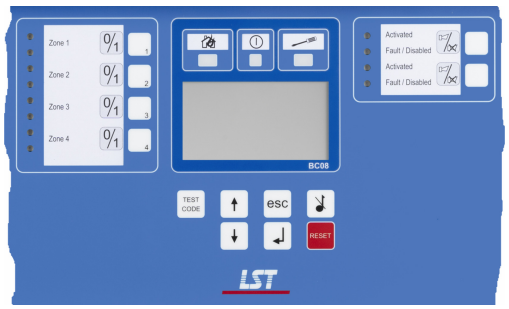
- The intuitive menu navigation and the menu language that can be switched during operation ensure particularly easy operation, also in a multilingual work environment.
- The detachable central processing board as well as plenty of room for entering cables make mounting and installation easier.
- The BC08's compatibility with older generations of LST fire detection control panels facilitates the replacement of installed control panels. An existing detector installation in conventional technology can be used without having to change it.
- The standard built-in Signal bus interface, using wire saving technology, allows the connection of a fire brigade control unit and of compatible display devices, LED tableaus and other information devices.
- Thanks to permanent monitoring and charging of the batteries, the undisturbed and uninterrupted operation is ensured even in the event of a mains failure.
- After delivery, the control panel is ready for use. For easy commissioning, only the date and time have to be set and one of the prepared standard configurations has to be chosen – without using a PC. Individual configurations are conveniently created by means of the PC software PARSOFT.
- Via a USB interface, the parameter setup can be transferred from the PC to the control panel or read out from the control panel. By means of PARSOFT, the control panel firmware can be upgraded easily and quickly.

The practically oriented structure of the wall-mount cabinet allows easy mounting and time-saving cabling of the control panel. Thanks to its modern, ageless design, architectural requirements and demands of the respective regulations are ideally combined. In addition to the central processing board and the power unit, the housing can also accommodate expansion modules, relay modules, a voltage stabiliser and batteries.
The Fire Detection Control Panels Series BC08 comply with all relevant standards of EN 54 and have been tested and certified by VdS. LST's high quality level is secured by a permanently monitored quality management system certified according to ISO 9001.

EVENT INDICATION AND OPERATION



The 4-line display shows all current events of the system in textual form. The events are listed with date and time of their occurrence in 6 menu windows according to the type of message. This makes quick and targeted reaction in the event of a fire easier.
An event memory allows for the display of the latest 500 events at any time, including all required information. Thus, all system conditions and user operations that occurred are documented in a clearly laid out way.

The fire detection system is operated menu-driven via the operating field of the control panel. A clear menu structure facilitates the user guidance in the event of an alarm, in the normal condition as well as during commissioning or maintenance. As a result, the training costs are reduced to a minimum.
Three hierarchised authorization levels for operation and parameterisation facilitate a high degree of security against unauthorized access.

SYSTEM COMPONENTS

A variety of compatible system devices can be connected to the Fire Detection Control Panel BC08:

- Sounders and strobes,
- actuations for fire dampers, ventilation systems or for switching off devices,
- a fire brigade control unit,
- a fire brigade key safe,
- a remote display and operating panel,

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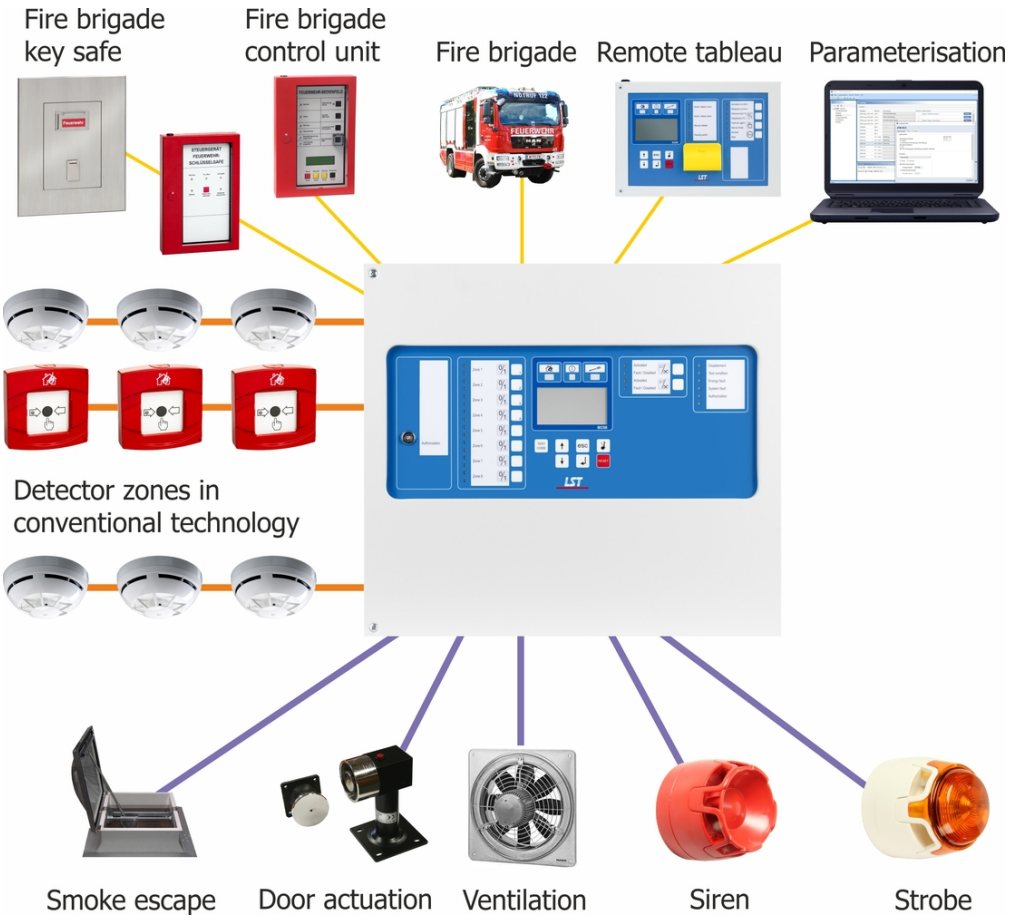
- LED tableaus,

– and much more.



TECHNICAL DATA

Mains voltage	230 VAC +10/-15%, 47 - 63 Hz
Current consumption at 24 V	85 mA
Output current power supply	2.2 A
Output current siren outputs	300 mA
Output voltage typ.	27.6 VDC
Relative humidity (no condensation) max.	95 %
Protection class	IP30
Ambient temperature	from -5 °C to 40 °C
Mounting type	surface mounting
Casing material	sheet steel, 1 mm, powder coated
RAL colour	grey white, RAL 9002
Dimensions W × H × D	380 × 340 × 94 mm

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Weight (without batteries)	4.9 kg
Approval number CPR	0786-CPR-21830
Article number	210130
Order reference	Fire Detection Control Panel BC08-4S

ACCESSORIES

Article number	Order reference
250080	Remote Tableau SG08-1
210190	RL04-1
222004	Relay Module RL58-1
222010	Relay Module RL58-2
211143	Relay Module RL608-1
223026	Siren Connection Module SZ58-3

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