

# Extinguishing Control Panel

## LC600-1L/LTF, LC600-1D



- **Compact units for small extinguishing systems with 1 flooding zone**
- **Integrated loop interface with 3 different loop protocols**
- **Fully integrated into Fire Detection Control Panel Series BC600**
- **Suitable for all extinguishing agents**
- **EN 54, EN 12094-1, VdS certified**



Fire is a permanent threat to life and property. Therefore, an immediate response to a fire alarm is imperative. The main objective of the Extinguishing Control Panels Series LC600 is to alarm and to extinguish in time and, consequently, protect people and preserve property.

For decades LST have focused their aims to undertaking unrivalled efforts in order to realise new innovations in the security area. Research, development and production are united in one company. Highly skilled

employees, stringent test methods and a mature quality management system form the basis for high-grade products.

Thanks to the use of cutting-edge microelectronics and a thoughtful mechanical design, the Extinguishing Control Panels Series LC600 provide completely new possibilities and at the same time offer a high degree of reliability – prerequisites for saving lives and minimising damage to property.

## Description

The Extinguishing Control Panel Series LC600 is a comprehensively expanded Fire Detection Control Panel Series BC600 with a huge number of additional functions for controlling extinguishing systems.

It fulfils all compulsory requirements and all options of EN 12094-1. Depending on the application and requirement, the unit can be implemented

- as pure Extinguishing Control Panel LC600-x, with connection to an external fire detection control panel,
- or as combined Fire/Extinguishing Control Panel BC600-x/EXT.

Both control panel versions have been certified by VdS according to EN 12094-1 and EN 54-4. The combined

Control Panel BC600-x/EXT has additionally been tested and certified according to EN 54-2.

The compact Extinguishing Control Panel LC600-1x can be used to realise an extinguishing system with one flooding zone according to EN 12094-1. In an extinguishing system that does not require a design according to EN 12094-1, up to 32 flooding zones can be actuated. An Extinguishing Control Panel LC600-1x can be implemented with the Fire Detection Control Panels BC600-1L/LTF and BC600-1D.



Flooding zone 1
Flooding zone 2
Flooding zone 3
⋮
Flooding zone 8

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0786-CPR-21610  
0786-CPR-21612



## Features

The extinguishing control function is fully integrated into the Fire Detection Control Panel Series BC600. Combined fire/extinguishing control panels only differ from pure extinguishing control panels in the parameter setup and the connected devices. The Extinguishing Control Panel Series LC600 comprises the following additional features:

- All zones with automatic fire detectors or manual call points can be used for the actuation of the extinguishing system. The respective detectors and detector zones are assigned to the individual flooding zones by defining combinations and dependencies.
- Input signals for the actuation of the extinguishing system can be received through zone inputs in conventional or loop technology, as well as via control panel inputs.  
The loop technology allows connection of detectors, signalling devices as well as monitor and control modules in intelligent ring-bus technology. A safe supply of the loop elements is achieved through the redundant cable path. Standard fire detection cable can be used for wiring.
- Various combination types, such as „Emergency hold device“, „Manual mode“, „Extinguishing medium active“ or „Reset extinguishing system“ provide specific functions for the actuation of the extinguishing system.
- For the actuation of valves or signalling equipment, various types of actuation are available, which can

be assigned to any outputs of the control panel or to a loop control module. The activation of these actuations is timed according to EN 12094-1.

- The condition of flooding zones or the extinguishing system can be output by the status outputs of the control panel or via loop modules. Furthermore, status LEDs can be freely parameterised as optical condition display.
- Depending on the size of the flooding zone and the capacity of the extinguishing agent cylinders, for each flooding zone the actuation of further flooding zones can be unblocked or blocked.
- In the appropriate authorisation level, a flooding zone can be operated at the display and operating unit of the fire detection control panel or at freely parameterisable LED button fields. In addition to disablements, enablements and toggling between manual and automatic mode, it is also possible to test the signalling equipment for pre-alarm and evacuation alarm.
- The Extinguishing Control Panel Series LC600 is conveniently parameterised via PC by using the Windows Parameter Setup Software PARSOFT. The clear user interface allows an almost self-explanatory definition of the system configuration and thereby minimises the requirement for training. The entered parameters can be loaded into the control panel after an automatic verification for technical correctness.

## Advanced features

In addition to all compulsory functions of EN 12094-1, the extinguishing control panel fulfils all options of this standard. These are:

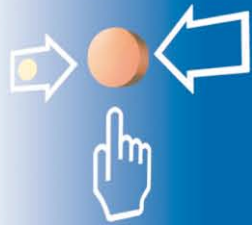
- Delay of extinguishing signal
- Signal representing the flow of extinguishing agent
- Monitoring of the status of components
- Emergency hold device
- Monitoring of a disable device
- Control of flooding time
- Initiation of secondary flooding
- Manual only mode
- Triggering signals to equipment within the system
- Extinguishing signals to spare cylinders
- Triggering of equipment outside the system
- Emergency abort device
- Control of extended discharge
- Release of the extinguishing media for selected flooding zones
- Activation of alarm devices with different signals

## Extinguishing control licence

For the function of the extinguishing control, an options circuit into which the extinguishing control licence has been programmed must be installed in the Extinguishing

Control Panel Series LC600. In the compact control panel LC600-1x, an options circuit for up to 32 flooding zones can be installed.

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## Specifications

Number of extinguishing systems	1
Number of flooding zones	1 (according to EN 12094-1) max. 32 (without considering EN 12094-1)
Approvals	FT 14/847/18 (Austria)
as pure extinguishing control panel	VdS G218066 0786-CPR-21610
as combined fire detection and extinguishing control panel	VdS G218062 0786-CPR-21612

### Control Panel BC600-1L/LTF / LC600-1L/LTF

Order number	211407
Order name	Fire Detection Control Panel BC600-1L/LTF

### Control Panel BC600-1D / LC600-1D

Order number	211402
Order name	Fire Detection Control Panel BC600-1D

### Backplane for optional function module

Order number	211419
Order name	Backplane BPL601-1

### Extinguishing control licence for 1 flooding zone

Order number	218027
Order name	Extinguishing-Control 1-Area-Licence LC600-1LB

