



SecuriFire 1000 is a stand-alone fire alarm control panel and is suitable for connecting a SecuriLine eXtended addressable loop with up to 250 participants. The control panel is equipped with all the necessary interfaces for connection to the fire services, and with relay outputs and a connection for the external device bus. The multilingual MIC 11 control panel is integrated directly in the door of the control panel.

SecuriFire FCP 1000

Fire Alarm Control Panel

Operation

The compact SecuriFire 1000 fire alarm control panel controls the system components and evaluates the detector data. The detectors, the wide range of different input/output modules and the special detectors communicate directly with the control panel via the SecuriLine eXtended.

Design

In its basic configuration each SecuriFire 1000 fire alarm control panel comprises a map case with cable entry cut-outs in the rear panel; a main control unit with interfaces for connecting control panels, peripherals, service PC, a power supply unit, mains terminals and battery cable. The main control unit comprises all the necessary interfaces for connecting with the fire services (transmission and alarm unit, interfaces for connecting various fire brigade maps), and five 230 V/3 A relay outputs and a connection for the external device bus (MMI-BUS). The grey map case is made entirely of metal, providing the system with optimum EMC protection.

The SecuriFire FCP 1000 fire alarm control panel is not network-capable, nor is it possible to connect it to higher-level systems (e.g. management systems). The virtual MIC can be connected with the integrated Ethernet interface.

Power supply

The internal 4 A power supply unit delivers the output voltages of 3.3 V, 5 V and 27 V required in every SecuriFire FCP 1000 control panel. On the underside of the power supply unit is a terminal for connecting the battery and a plug-in screw terminal to which external consumers can be connected via five separately fused outputs. The B6-PSU power supply unit is equipped with battery monitoring, which is controlled and evaluated by the control panel's main control unit.

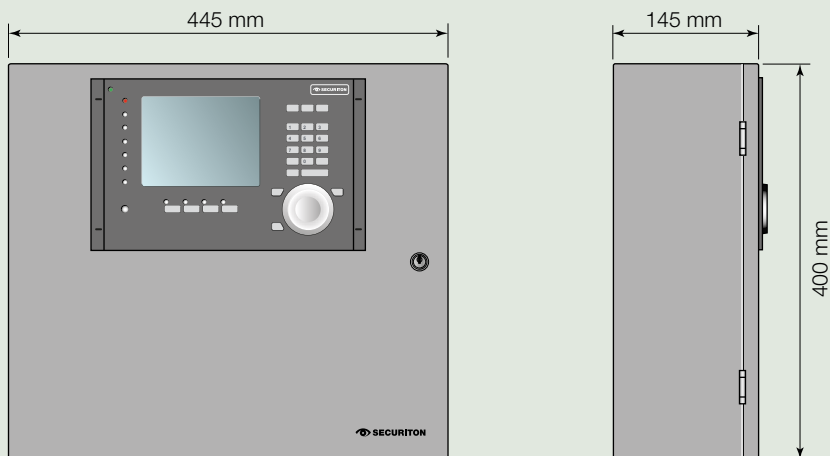
The emergency power batteries must be able to maintain the proper functioning of the fire alarm system for a certain length of time in the event of a mains failure, and remain fully charged for their entire service life. Due to these high product

requirements, the charging and discharging characteristics of the batteries are subject to special requirements, specifications and tests. The installation location for the batteries is on the housing base of each SecuriFire FCP 1000 control panel; two batteries connected in series are used in each case.

SecuriLine eXtended

The detectors and modules of the fire alarm system are connected to the ring-shaped installed SecuriLine eXtended from the control panel. The SecuriLine eXtended is a 2-wire field bus that guarantees the highest possible transmission reliability. Thanks to the short-circuit isolator integrated in each SecuriStar detector and in each addressable loop module, the SecuriLine eXtended remains fully functional even in the event of a fault. If a detector fails or in the event of a short-circuit or wire breakage on the line, the detector is isolated and all other detectors and connected input and output modules remain fully functional, without restriction. The fault is localised and information about its exact position is shown in plain text on the display and output on the printer. This is why cable routing beyond fire sections can be optimised. A separate calculation program is included for computing the maximum possible addressable loop length based on the connected elements and the wire cross-section used.

- Compact 1-loop fire alarm control panel
- Intuitive operation thanks to integrated SecuriFire MIC
- Easy to use planning and commissioning tools
- Various basic configurations
- More than 20 languages available



All specifications subject to correction. Securiton planning guidelines are binding. Specifications subject to change without notice. Delivery subject to availability.

Technical data SCP-10XX

230 VAC +15%/–20%	Mains voltage
47–63 Hz	Frequency
160W	Power consumption: max.
4A	Output current
12V/17 Ah	Batteries (largest): 2 pieces in serie
IP 30	Protection class
–5°/+50 °C	Ambient temperature
26.3 VDC (+50 °C) – 28.3 VDC (0 °C)	Output voltage
74 mA	Quiescent current (w/o oper. panel, w/o printer)
5–95%	Rel. air humidity: without condensation
400 × 445 × 150 mm	Dimensions (H × W × D)
8 kg	Weight of basic version: (without batteries)

Technical data SecuriLine eXtended

250 max.	Number of addresses
3500 m	Ring circuit length
Automatic	Address allocation
531	Backwards compatibility to series
> 300 mA	Short-circuit detection
24 VDC	Rated operating voltage
Loop	Type of laying
< 100 sec.	Starting/repairing time

Product summary

B6-SCP1020	SecuriFire 1000 basic version, with built-in operating panel
B6-SCP1030	SecuriFire 1000 basic version, with built-in operating panel and printer