

# CSP-104

## FIRE ALARM CONTROL PANEL

**CSP-100** series are conventional fire alarm control panels in full conformance with the requirements of EN54. They are designed for the implementation of simple systems in small and medium-sized facilities. The benefits of the **SATEL** control panels are their uncomplicated installation, their aesthetic appearance and the use of a single, standard 12 V battery as a backup power supply source.

- 4 detection circuits
- supports remote and virtual panels (using **CSP-ETH** interface)
- 4 control inputs with functionality programmed by the installer
- 4 outputs programmed by the installer which enable interaction with other systems
- supports fire and damage transmission devices
- built-in backup power supply interfacing with a single battery 12 V and AUX 24 V and 18 V power outputs

## TECHNICAL DATA

Operating temperature range	-5...+40 °C
Maximum humidity	93±3%
Dimensions	324 x 382 x 108 mm
Transit temperature range	-25...+55 °C
Normal mains power supply with mains voltage of	230 V AC +10%, -15% 50 Hz
Maximum current draw from the mains	500 mA
Operating duration of the stand-by supply	72 h
Maximum charging current of the battery	1,4 A
Maximum internal apparent resistance of the battery (with cables and terminals in a circuit)	1 Ω
Current draw from the battery when detecting	100 mA
Current draw from the battery when emitting an alarm	170 mA
Current draw from an integrated AC power adapter when detecting	75 mA
Current draw from an integrated AC power adapter when emitting an alarm	130 mA
Sealing of the casing	IP30
Weight without the battery	< 3 kg
Events storage capacity	8999
Alarm counter capacity	9999
Clock battery	3 V (CR2032)
Output for communication with PC (service output)	Yes
Terminating resistor on terminals for communication with the remote panel	100 Ω
Output for communication with remote panel and CSP-ETH module	Yes
Supply output +24V	24 V DC +/-15% / 200 mA max.
Supply output AUX (only for connecting CSP-ETH module): in standard mode	18 V DC +5%, -15%
Alarm resistor on the control input circuit	1 kΩ +/- 5%
Terminating resistor on the control input circuit	10 kΩ +/- 5%
Number of programmable control inputs	4
Electrical parameters of relay outputs	1A / 30 V DC (NO or NC)
Number of detection circuits	4
Maximum resistance of the detection circuit	100 Ω (2 x 50 Ω)
Maximum number of detectors on the detection circuit	32
Maximum number of manual call points (ROP) on the circuit	10
Terminating resistor on the detection circuit	5,6 kΩ +/- 5%
Maximum detection current of the detection circuit	10 mA
Maximum current in the circuit during an alarm	40 mA
Current limiting level of the detection circuit	54 mA
Maximum resistance of the circuit for alarm and fault signalling devices	75 Ω (2 x 37,5 Ω)
Number of external circuits for signalling devices	2
Working voltage of the circuits for signalling devices	24 V DC +/-15%
Maximum current of the circuits for signalling devices	180 mA
Terminating resistor on the circuit for signalling devices	10 kΩ +/-5%
Number of alarm transmission circuits	1
Working voltage of the alarm transmission circuit	24 V DC +/-15%
Maximum current of the alarm transmission circuit	180 mA
Terminating resistor on the alarm transmission circuit	10 kΩ +/-5%
Number of fault transmission circuits	1
Working voltage of the fault transmission	24 V DC +/-15%
Maximum current of the fault transmission circuit	180 mA
Terminating resistor on the fault transmission circuit	10 kΩ +/-5%
Number of programmable relay outputs	4
Stand-by supply: internal acid battery	12 V / 17 Ah
Stand-by supply: external acid battery	12 V / ≤24 Ah
Supply output AUX (only for connection of CSP-ETH module): with AC power supply failure	12 V DC +15%, -20%