

# CSP-204

## FIRE ALARM CONTROL PANEL

CSP – 200 series are advanced, 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 built-in LCD simplifies the system's day-to-day operation, its installation procedure and periodical maintenance. 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
- built-in LCD for easy day-to-day operation and system programming
- supports remote panels 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 24 V i 18 V



## 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                              | 80 mA                        |
| Current draw from an integrated AC power adapter when emitting an alarm                      | 140 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%           |