

MADE TO PROTECT

Satel®



FIRE ALARM SYSTEM

RELIABLE FIRE DETECTION AND ALARM SIGNALLING SYSTEM

SATEL fire alarm devices allow to implement reliable and modern systems responsible for fire safety.



A combination of 25-year experience in an electronic security systems industry with an advanced manufacturing technology enabled to design and put into mass production a number of devices which have a lot more features than products in their class available in the market so far. Full compatibility with the requirements of EN54 standards enables to use of SATEL devices in any case when required by specified regulations.

Functionality of **CSP-200** and **CSP-100** series fire alarm panels

CSP-200 and CSP-100 fire alarm panels are intended for implementation of complex fire alarm signalling systems in small and medium buildings. CSP 100 range of panels offer all the most important functions required for certified fire signalling systems, ensuring easy installation and maintenance. The 200 series is additionally fitted with readable LCD display, thanks to which not only programming and periodical maintenance, but also everyday operation are considerably easier. The 200 series panels offer the most advanced features amongst conventional fire signalling systems.

Wide range of necessary accessories

SATEL's product range of fire alarm signalling devices is truly complex. Therefore, besides the panels and associated devices, the range of products includes automatic fire detectors (smoke, heat, multi-sensor), manual call points and signalling devices. The offer is supplemented by auxiliary accessories, such as local fire alarm indicator or industrial base for automatic detectors, which makes installation of the detectors with the use of conduit pipes easier.



Advantages for **designers**

CSP fire alarm control panels were designed in order to make designers' and the system installers' work easier. Aesthetic control panel allows installing the switchboard even in a place where it will be exposed without a fear of disturbance of the inside design harmony. An interesting option might be to use the remote repeaters that allow for full system operation, for instance in the security centre of the building, remote from the physical control panel location. An additional asset of CSP switchboards is a virtual panel, which allows to check remotely the fire signalling alarm system state from any place in the world with use of INTERNET network. Besides this, CSP control panels implement correlation of A and B zones in accordance with a standard, which reduce the chances false alarms, even when installed in harsh environment. Moreover, enhanced configurability of programmable inputs and outputs allows for cooperation of CSP system with other security systems in a building – I&HAS, access control or fire fighting devices.

Advantages for **installers**

All the CSP series control panels were initially configured in order to minimize necessary system programming. A manufacturer's setup allows to gain a working system which requires only connecting of the devices to appropriate panel inputs and outputs. In case of need for changes to this setup, the system can be programmed with use of both the panel buttons as well as a special PC software. Thanks to a possibility of programming functions of additional inputs and relay outputs, CSP 100 and 200 series control panels allow to perform additional actions going beyond local signalling of fire detection. For instance, cooperation with access control system or public address systems is possible.

Advantages for **maintenance staff**

CSP alarm control panels are characterized by numerous well thought out solutions, thanks to which a periodical inspection and the maintenance is comfortable and intuitive. For example, access to a service mode is protected by a password which is entered with use of the switchboard operation buttons. Thanks to this, there is no need for opening the panel enclosure in order to change the control panel configuration. Moreover, the detectors test function one person tests easier, thus minimizing the number of people necessary to efficient verification of the system performance. Additionally, the use of a single standard 12 V battery accelerates the diagnostic tests and reduces cost of its replacement, which is beneficial for reduction of general system maintenance cost. Great help are also advanced tools which allow to evaluate individual functional system blocks, thanks to which identification of potential faults is easy and quick. It is also worth to mention a enhanced event memory with a possibility of exporting data to popular formats (e.g. CSV), which make archiving the register of the whole system functioning easier.



PSP-208
repeater panel compatible with CSP-208



Virtual PSP
virtual repeater panel communicating over TCP/IP Ethernet



CSP-ETH
TCP/IP Ethernet communication module



CSP-208
8-zone, conventional fire alarm panel



SPP-100
acoustic fire alarm signalling device, low base



SPP-101
acoustic fire alarm signalling device, high base



ROP-100/EU
conventional manual fire alarm for internal use



ROP-101/EU
conventional manual call point for outdoor use



DRP-100
point, optical (scattered light) smoke detector, intended for visible smoke detection



DCP-100
point, rate-of-rise/fixed temperature heat detector



DMP-100
multi-detector point sensor, optical smoke and heat detection



WZ-100
external fire alarm indicator for automatic fire detectors



WZ-100
external fire alarm indicator for automatic fire detectors



WZ-100
external fire alarm indicator for automatic fire detectors



PDB-100
industrial spacer for DB-100 detector base



DB-100
DB-100 detector base



DRP
fire detector



DCP, DMP
fire detector



fire signalling for your safety

CSP 200 series

Fire alarm control panels

- LCD display making everyday operation, maintenance and programming easier
- 8 detection zones in CSP-208 model, 4 detection zones in CSP-204 model
- support for remote repeater panel and virtual repeater panel
- 4 inputs with functionality defined by an installer
- 8 (CSP-208) / 4 (CSP-204) outputs programmed by an installer, allowing the communication with other systems
- operation of fire alarm and fault transmission devices
- built-in backup power supply interfacing with a single battery 12 V and AUX 24 V and 18 V power outputs
- have EC Conformity Certificate no 1438/CPD/0317

CSP 100 series

Fire alarm control panels

- 8 detection zones in CSP-108 model, 4 detection zones in CSP-104 model
- support for remote repeater panel and virtual repeater panel
- 4 inputs with functionality defined by an installer
- 8 (CSP-108) / 4 (CSP-104) outputs programmed by an installer, allowing the communication with other systems
- operation of fire alarm and fault transmission devices
- built-in backup power supply interfacing with a single battery 12 V and AUX 24 V and 18 V power outputs
- have EC Conformity Certificate no 1438/CPD/0317

Repeater panels (PSP 200 and 100 series)

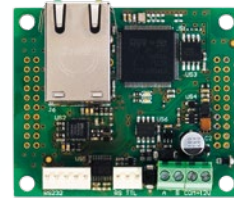
Remote repeater panels for fire alarm control panels

- ability of full system operation from a remote place (up to 1 km)
- system operation in the same way as for front CSP panel
- built-in backup power supply interfacing with a single battery 12 V and AUX 24 V and 18 V power outputs

Virtual PSP

Virtual repeater panel for system state visualisation

- visualisation of alarms from individual zones
- monitoring of current faults list
- indicating of current disablement and test conditions



CSP-ETH

Communication module for a virtual panel

- compatibility with CSP-200 and CSP-100 series control panels
- compatibility with PSP-200 and PSP-100 repeater panels
- automatic IP configuration via DHCP
- powered directly by control panel or repeater panel



ROP-100/EU • ROP-101/EU

Manual call point

- hermetic enclosure for outdoor installation (ROP-101/EU)
- mechanical actuation memory
- LED actuation indicator
- restore after actuation with a special key
- have EC Conformity Certificate no 1438/CPD/0342



ROP-BT

Junction box

- intended for use with ROP-100 manual call points
- PE terminal for connection of the cable shield
- additional terminals for connection of line wires



SPP-100 • SPP-101

Acoustic signalling device

- hermetic enclosure for outdoor installation (SPP-101)
- selection from 32 signalling sounds
- ability of triggering of two different sounds
- sound volume adjustment
- have EC Conformity Certificate no 1438/CPD/0343



WZ-100

Alarm indicator

- optical signalling with use of LED diode
- aesthetic appearance
- easy installation



DCP-100

Point, rate-of-rise/fixed temperature heat detector

- thermal sensor with A1R characteristic, in accordance with EN54-5
- easy installation of the detector on the base
- operation of a local external alarm indicator
- have EC Conformity Certificate no 1438/CPD/0316



DRP-100

Point optical smoke detector

- unique Swirl chamber for improved smoke sensitivity
- detected test fires: TF2-TF5 and TF8
- precise filter made of stainless steel
- signalling of measurement chamber contamination
- easy installation of the detector on the base
- operation of a local external acting indicator
- have EC Conformity Certificate no 1438/CPD/0340



DMP-100

Point optical smoke and heat detector

- unique Swirl chamber precipitating smoke detection
- detected test fires: TF1-TF6 and TF8
- thermal sensor with A1R characteristic, in accordance with EN54-5
- precise filter made of stainless steel
- signalling of measurement chamber pollution
- easy installation of the detector on the base
- operation of a local external acting indicator
- have EC Conformity Certificate no 1438/CPD/0341



DB-100

Detectors base

- compatible with DMP-100, DRP-100 and DCP-100 detectors
- readable descriptions making connection in installation easier
- possibility of application of 10x20 conduit pipes



PDB-100

Industrial spacer for DB-100 socket

- easier mounting of DB-100 socket in installation with conduit pipes
- possibility of application of PG-16 glands and Ø16 conduit pipes
- external brackets enabling installation without perforation of the bottom



Effective fire detection at an early stage allows to limit its effects considerably



MADE TO PROTECT

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CHARACTERISTICS

CSP 200 and 100 series

	200 series		100 series	
	CSP-208	CSP-204	CSP-108	CSP-104
Number of supervision zones	8	4	8	4
Number of alarm outputs	2	2	2	2
Outputs to Fire Alarm transmission devices/ Fault transmission devices	yes/yes	yes/yes	yes/yes	yes/yes
Number of programmable inputs	4	4	4	4
Number of programmable outputs	8	4	8	4
Display facilitating service	yes	yes	no	no
Compatibility with remote repeater panel	yes	yes	yes	yes
Compatibility with a virtual panel	yes*	yes*	yes*	yes*
AUX (12-18 V) power supply	yes	yes	yes	yes
AUX24 (24 V) power supply	yes	yes	yes	yes
Event memory capacity	8999	8999	8999	8999
Alarm meter capacity	9999	9999	9999	9999

* The function requires connection of CSP-ETH module

MORE THAN 25 YEARS OF EXPERIENCE

Professional protection of each type of premises, as well as people staying therein, through advanced, yet functional and cost-effective solutions – these few words may serve as the shortest description of the mission of SATEL, a manufacturer of security systems with involvement of 100% Polish capital. Due to integrity in business and a special emphasis on high quality and a wide range of products offered, the SATEL brand has been highly appreciated in the industry for over 25 years.

This philosophy of management and hard work of more than 300 SATEL's employees produce tangible results. The wide range of over 400 offered products provides countless opportunities to create security, home automation, fire alarm, access control and monitoring systems, tailored to the individual needs of each user. At the same time, these systems meet all requirements prescribed by Polish and international regulations and industry standards.

Bringing the functionality of devices into line with current requirements and expectations of the market with the use of the latest technologies is one of the main objectives of SATEL. For this reason the design and production departments of the Company are continuously being modernized and expanded. A natural consequence of all actions aimed at the production of top-quality devices was the introduction of the quality management system conforming to ISO 9001:2000 in 2002. Regardless of this certification, SATEL also carries out a full functional test of all products leaving the production line, thus ensuring reliability of the manufactured devices. Focusing on modern design and attaching importance to the highest levels of quality and functionality of its products, SATEL has gained many satisfied customers not only in Poland but also in more than 50 markets worldwide.

The manufacturer reserves the right to change the specification and technical data of devices.
Images shown are for general information only and may differ from actual products. (IND_0118)