

PERFECTA 32-WRL LTE

ALARM CONTROL PANEL

The PERFECTA alarm control panels are designed to protect small and medium-sized premises such as apartments, single-family houses, segments in terraced houses, offices, small businesses etc. They provide protection as required by EN 50131 for Grade 2. The control panels are characterized by simple configuration as well as easy and intuitive operation using keyfobs. The alarm system functions can also be controlled remotely using the **PERFECTA CONTROL** application for mobile devices and **MPT-350** keyfobs working.

The control panel makes it possible to create wired and wireless (433 MHz frequency band) systems. Radio transmissions can be bidirectional (with wireless **PRF-LCD-WRL** keypads and **MSP-300 R** sirens) or unidirectional (with **MICRA** series detectors and **MPT-350** keyfobs). Wireless communication allows for easy expansion of the existing system, without having to lay additional cable runs.

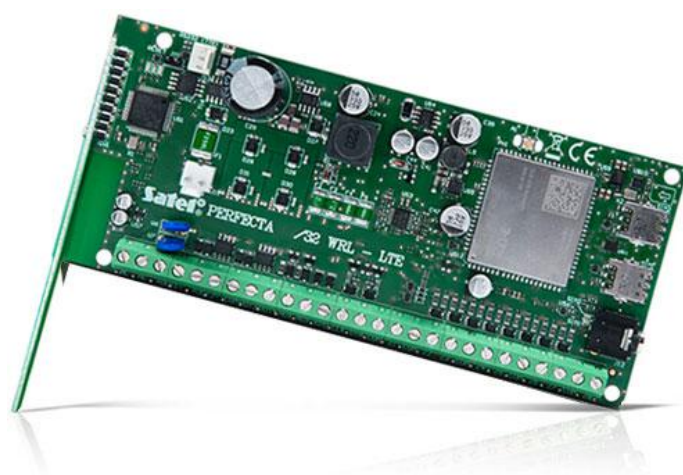
A cellular phone with support for LTE* data transmission is used in the PERFECTA 32-WRL LTE model. It enables operation with a mobile application with PUSH notification capability, remote system configuration from the **PERFECTA Soft** program, event reporting (e.g. to a security agency monitoring station), voice messaging, SMS control and audio verification (listening in to sounds from protected premises). It supports dual nano-SIM cards to ensure uninterrupted communication: if communication with the first operator's network fails, the second card is automatically selected.

The control panel electronics board is provided with 8 hardwired zones and 4 hardwired outputs. Their number can be increased by connecting the **INT-E** zone expansion module and **INT-O** or **INT-ORS** output expansion module. This allows you to expand the system by adding more detectors, sirens and even actuators (to control the garage door, roller shutters, garden sprinklers).

The control panel enables the system to be divided into two partitions with a choice of three arming modes (day, night, full). Each zone can be assigned to one or both supervised areas.

The system can be configured in two ways: from a computer with PERFECTA Soft program installed (locally – connection via RS-232 (TTL) port, remotely – using data transmission over the cellular network*), as well as from the keypad, using key sequences in the service menu.

- compliance with EN 50131 Grade 2
- from 8 to 32 programmable hardwired zones:
 - configuration options: NO, NC, EOL, 2EOL/NO, 2EOL/NC
 - support for roller shutter and vibration detectors
- from 4 to 12 programmable hardwired outputs
- 2 power outputs on the mainboard
- additional 4 wireless outputs for operating MSP-300 wireless sirens
- built-in modules:
 - cell phone with 2 nano-SIM slots (SMS, reporting to monitoring station, mobile application, PUSH notifications)
 - voice (playback of voice messages for the telephone notification)
 - audio alarm verification (listening in)
 - 433 MHz radio module
- integrated radio module operating at 433 MHz, supporting encrypted wireless communication:
 - bidirectional with **PRF-LCD-WRL** keypads and **MSP-300 R** sirens
 - unidirectional with **MICRA** series detectors, **MPT-350** keyfobs and **MRU-300** radio signal repeaters
- system division into 2 partitions:
 - 3 arming modes in each partition
 - option to assign a zone to two partitions
 - user-controlled or timer-controlled
- communication bus for connecting keypads (PRF-LCD), expansion modules (INT-E, INT-O, INT-ORS)



- system control using:
 - keypads: PRF-LCD (up to 4) or PRF-LCD-WRL (up to 2)
 - PERFECTA CONTROL mobile application
 - MPT-350 keyfobs (up to 15)
- firmware updates available
- passwords:
 - 15 user codes
 - 1 service code
- editable names (of users, partitions, zones, outputs and modules) for easy control and supervision of the system
- 8 timers with exceptions setting capability
- memory of 3584 events
- automatic diagnostics of the system main components
- built-in switch-mode power supply:
 - over-current protection
 - battery deep discharge protection
 - battery charging current control
- programming control panel settings:
 - locally – keypad or computer with PERFECTA Soft program installed, connected to the control panel RS 232 (TTL) port
 - remotely – computer with PERFECTA Soft program installed, connecting to the control panel via LTE*

* support for data transmission using the LTE/HSPA+/EDGE/GPRS technology – depending on the cellular network capabilities

TECHNICAL DATA

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|--|------------------------------|
| Voice messages | 16 |
| Event log | 3584 |
| Partitions | 2 |
| Timers | 8 |
| Board dimensions | 160 x 110 mm mm |
| Operating temperature range | -10...+55 °C |
| Supply voltage (±15%) | 18 V AC, 50-60 Hz |
| Standby mode current consumption | 240 mA |
| Max. current consumption | 630 mA |
| Weight | 154 g |
| Maximum humidity | 93±3% |
| Battery failure voltage threshold (±10%) | 11 V |
| Battery cut-off voltage (±10%) | 10,5 V |
| Operating frequency band | 433,05 ÷ 434,79 MHz |
| Radio communication range (in open area) | w zależności od urządzenia m |
| Environmental class according to EN50130-5 | II |
| Maximum current consumption from the battery | 450 mA |
| Programmable wired inputs | 8 |
| Maximum number of programmable inputs | 32 |
| Programmable wired outputs | 4 |
| Maximum number of programmable outputs | 16 |
| Supplying outputs | 2 |
| Communication buses | 1 |
| Keypads | up to 4 |
| Security grade according to EN 50131 | Grade 2 |
| Recommended transformer | 40 VA |
| Users | 15 |
| Current-carrying capacity of KPD output | 500 mA / 12 V DC |
| Output voltage range | 10,5 V...14 V DC |
| Battery charging current | 500 mA |
| Power supply output voltage | 12 V DC ±15% |
| Telephone numbers for notification | 8 |
| Power supply output current | 2 A |
| Low current programmable outputs rating | 25 mA / 12 V DC |
| Current-carrying capacity of programmable high-current outputs | 1000 mA / 12 V DC |
| AUX output | 500 mA / 12 V DC |
| Standby current draw from battery | 150 mA |