PERFECTA 32 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 keypads. The alarm system functions can also be controlled remotely using the **PERFECTA CONTROL** application for mobile devices and keyfobs working in the 433 MHz frequency band (with the **INT–RX–S** module connected).

A cellular phone with support for LTE* data transmission is used in the PERFECTA 32 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
- 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)
- 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**) and 433 MHz keyfob receiver expansion module (**INT–RX–S**)
- system control using:
  - PRF–LCD keypads (up to 4)
  - **PERFECTA CONTROL** mobile application
  - keyfobs operating in the 433 MHz band (up to 15) – connection of INT–RX–S module required
- 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 using data transmission over the cellular network*

CE

The actual appearance of the products may differ from the presented images. Product descriptions are provided in the web service for information purposes only.

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

TECHNICAL DATA

Voice messages	16
Event log	3584
Partitions	2
Timers	8
Board dimensions	160 x 68 mm
Operating temperature range	-10...+55 °C
Supply voltage (±15%)	18 V AC, 50-60 Hz
Standby mode current consumption	170 mA
Max. current consumption	570 mA
Weight	145 g
Maximum humidity	93±3%
Battery failure voltage threshold (±10%)	11 V
Battery cut-off voltage (±10%)	10,5 V
Environmental class according to EN50130-5	II
Maximum current consumption from the battery	430 mA
Programmable wired inputs	8
Maximum number of programmable inputs	32
Programmable wired outputs	4
Maximum number of programmable outputs	12
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	130 mA

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