

# PERFECTA-T 32-WRL

## ALARM CONTROL PANEL

The **PERFECTA-T** series alarm control panels are designed to protect small and medium-sized buildings, such as apartments, single-family houses, terraced segments, offices, small businesses, etc. They provide security in accordance with EN 50131 Grade 2 requirements.

**PERFECTA-T 32-WRL** is characterized by simple configuration, intuitive operation and convenient control. The control panel allows you to create a wireless or hybrid system (the latter being combination with a traditional wired system). Two-way communication with the **PRF-LCD-WRL** wireless keypads and **MSP-300 R** sirens takes place in the 433 MHz band. In the wireless system, the **MICRA** series detectors and **MPT-350** keyfobs are also used. This allows you to easily expand the existing system without having to lay down additional cable runs.

The built-in PSTN telephone dialer can be used for event reporting (e.g. to the security agency monitoring station) and voice messaging as well as for audio verification (listening in to the sounds from the protected building).

The control panel electronics board comes with 8 wired zones and 4 wired outputs. Their number can be increased by connecting extension modules: **INT-E** zone expanders and **INT-O** or **INT-ORS** output expanders. This allows you to expand the system by adding more detectors, sirens and even actuators (to control the garage door, roller blinds, garden sprinklers).

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

The system can be configured in two ways: by using the intuitive **PERFECTA Soft** program (from a computer connected with a RS-232 (TTL) cable) and by means of a keypad, using shortcut keys in the service menu.

- compliance with EN 50131 Grade 2
- from 8 to 32 programmable wired zones:
  - NO, NC, EOL, 2EOL/NO, 2EOL/NC configuration to choose from:
  - support for roller shutter and vibration detectors
- from 4 to 12 programmable wired outputs
- 2 power outputs on the mainboard
- additional 4 wireless outputs to support **MSP-300 R** wireless sirens
- built-in modules:
  - PSTN telephone dialer (reporting to the station, voice notifications)
  - voice module (play-back of voice messages for telephone messaging)
  - audio alarm verification (listening in to sounds from the building)
- 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 and **MPT-350** keyfobs and **MRU-300** radio signal repeaters
- system division into 2 partitions:
  - 3 arm modes in each partition
  - option to assign each zone to two partitions
  - user control or timer control option
- communication bus for connecting keypads (**PRF-LCD**) and extension modules (**INT-E**, **INT-O**, **INT-ORS**)
- system control by means of:
  - keypads (up to 4): wired **PRF-LCD** or wireless **PRF-LCD-WRL**
  - **MPT-350** keyfobs (up to 15)
- ability to update the software (firmware)
- codes:
  - 15 user codes
  - 1 service code
- editing names (of users, partitions, zones, outputs and modules) to facilitate control and supervision of the system
- timers:
  - 8 timers with the exceptions setting option
- 3584 events memory
- automatic diagnostics of the basic system components
- built-in switching power supply:
  - overload protection
  - protection against deep discharge of the battery
  - battery charging current control

- programming the control panel settings:
  - keypad
  - computer with the **PERFECTA Soft** program installed, connected to the control panel RS 232 (TTL) port

## TECHNICAL DATA

Voice messages	16
Event log	3584
Partitions	2
Timers	8
Board dimensions	160 x 110 mm
Operating temperature range	-10...+55 °C
Supply voltage (±15%)	18 V AC, 50-60 Hz
Standby mode current consumption	130 mA
Max. current consumption	190 mA
Weight	110 g
Maximum humidity	93±3%
Current consumption from battery - standby	120 mA
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	160 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
Current-carrying capacity, AUX output	500 mA / 12 V DC
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