

PERFECTA-IP 32

The PERFECTA-IP 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 can also be controlled remotely using the **PERFECTA CONTROL** mobile application and keyfobs working in the 433 MHz frequency band (with the **INT-RX-S** module connected).

An Ethernet communicator is used in the PERFECTA-IP 32 model. It enables using a mobile application with PUSH notification capability, remote system configuration from the **PERFECTA Soft** program, and event reporting (e.g. to a security agency monitoring station). 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 modules and **INT-O** or **INT-ORS** output expansion modules. This makes expansion of the system possible by adding more detectors, sirens or actuators (to control the garage door, roller shutters/blinds, garden sprinklers).

The control panel enables the system to be divided into two partitions with three arming modes (day, night, full) to select from. 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 Ethernet), as well as from a keypad, using key sequences in the service menu.

- compliance with EN 50131 Grade 2
- from 8 to 32 programmable hardwired zones:
 - $\circ\,$ 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 Ethernet module (reporting to monitoring station, mobile application, PUSH notifications)
- system division into 2 partitions:
 - o 3 arming modes in each partition
 - o 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, INT-RX-S)
- · system control using:
 - PRF-LCD keypads (up to 4)
 - PERFECTA CONTROL mobile application
 - \circ keyfobs operating in the 433 MHz band (up to 15) connection of INT-RX-S module required
- firmware updates available
- passwords:
 - 15 user codes
 - o 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:
 - o over-current protection
 - $\circ\,$ 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
 - o remotely computer with PERFECTA Soft program installed, connecting to the control panel via Ethernet

Maximum number of programmable outputs 16 Supplying outputs 2 Communication buses 1 Keypads up bd Security grade according to EN 50131 Grade 2 Recommended transformer 40 VA Users 15 5 Current-carrying capacity of KPD output 500 mA / 12 VDC Programmable wired outputs 4 Battery charging current 500 mA Power supply output voltage 2 A Power supply output current 2 A Low current programmable outputs rating 2 A Low current programmable outputs rating 100 mA / 12 VDC AUX output 50 mA / 12 VDC AUX output 130 mA Event log 130 mA Event log 384 Maximum number of programmable inputs 3 Event log 384 Maximum number of programmable inputs 8 Revert log 430 mA Event log 30 mA Battery cut-off voltage (x10%) 10 sV Event log 33 s3 <th>Output voltage range</th> <th>10,5 V14 V DC</th>	Output voltage range	10,5 V14 V DC
Communication buses 1 Keypads upto 4 Security grade according to EN 50131 Grade 2 Recommended transformer 40 VA Users 50 mAn 129 DC Current-carrying capacity of KPD output 4 Porgrammable wired outputs 4 Battery charging current 500 mA Power supply output votrage 12 VDC 215% Power supply output current 2 A Low current programmable outputs raiting 2 mod An 12 VDC Low current programmable inju-turent outputs 500 mA 12 VDC AUX output 500 mA 12 VDC Low current grapacity of programmable high-current outputs 500 mA 12 VDC AUX output 500 mA 12 VDC Low current draw from battery 130 mA Event log 384 Maximum number of programmable inputs 38 Maximum current consumption from the battery 400 mA Event log 10,5 V Battery cul-off voltage (±10%) 10,5 V Battery cul-off voltage (±10%) 10,5 V Battery cul-off voltage (±10%) 10,5 V	Maximum number of programmable outputs	16
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AUX output 500 mA / 12 V DC Standby current draw from battery 130 mA Event log 3584 Maximum number of programmable inputs 32 Programmable wired inputs 8 Maximum current consumption from the battery 430 mA Environmental class according to EN50130-5 II Battery cut-off voltage (±10%) 10,5 V Battery failure voltage threshold (±10%) 11 V Maximum humidity 93±3% Weight 110 g Max. current consumption 490 mA Standby mode current consumption 190 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55°C Board dimensions 160 x 68 mm Timers 8	Low current programmable outputs rating	25 mA / 12 V DC
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Battery failure voltage threshold (±10%) 11 V Maximum humidity 93±3% Weight 110 g Max. current consumption 490 mA Standby mode current consumption 190 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55° C Board dimensions 160 x 68 mm Timers 8	Environmental class according to EN50130-5	II
Maximum humidity 93±3% Weight 110 g Max. current consumption 490 mA Standby mode current consumption 190 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55° C Board dimensions 160 x 68 mm Timers 8	Battery cut-off voltage (±10%)	10,5 V
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Timers 8	Operating temperature range	10+55°C
	Board dimensions	160 x 68 mm
Partitions 2	Timers	8
	Partitions	2

