

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 12 Supplying outputs 2 Communication buses 1 Keypads up to 4 Recouring grade according to EN 50131 Grade 2 Recommended transformer 40 VA Users 15 Current-carrying capacity of KPD output 500 mA / 12 VDC Programmable wired outputs 4 Battery charging current 500 mA Power supply output voltage 12 VDC 415% Power supply output current 2 A Low current programmable outputs rating 25 mA / 12 VDC Current-carrying capacity of programmable high-current outputs 100 mA / 12 VDC AUX output 50 mA / 12 VDC Standay current draw from Statery 110 mA Sevent Log 38 84 Maximum rumber of programmable inputs 3 2 Programmable wired inputs 10 mA Event Log 38 84 Maximum consumption from the battery 11 DmA Event Log Logs (10%) 11 V Battery cut-off voltage (10%) 3.2 % Buttery future c	Output voltage range	10,5 V14 V DC
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/12V DC Programmable wired outputs 4 Battery charging current 500 mA Power supply output voltage 12 V DC ±15% Power supply output current 2 A Low current programmable outputs rating 2 m A Current-carrying capacity of programmable high-current outputs 1000 mA/12V DC AUX output 500 mA/12V DC Standby current draw from battery 110 mA Event log 3584 Maximum number of programmable inputs 32 Revent log in the battery 110 mA Event log in the battery 110 mA Event log in the battery 384 Maximum current consumption from the battery 110 m Battery cul-off voltage (±10%) 10,5 V Battery failure voltage (±10%) 10,5 V Battery failure voltage (±10%) 39.33%	Maximum number of programmable outputs	12
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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 110 mA Event log 3584 Maximum number of programmable inputs 32 Programmable wired inputs 8 Maximum current consumption from the battery 110 mA Environmental class according to ENS0130-5 II Battery cut-off voltage (±10%) 10,5 V Battery fallure voltage threshold (±10%) 11 V Maximum humidity 93±3% Weight 108 g Max. current consumption 200 mA Standby mode current consumption 100 mA Supply voltage (±15%) 18 V AC,50-60 Hz Operating temperature range 100 x 65 m Board dimensions 160 x 68 mm Timers 8	Battery charging current	500 mA
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 110 mA Event Log 3584 Maximum number of programmable inputs 32 Programmable wired inputs 8 Maximum current consumption from the battery 110 mA Environmental class according to EN50130-5 II Battery cut-off voltage (±10%) 10,5 V Battery failure voltage threshold (±10%) 11 V Max.current consumption 200 mA Standby mode current consumption 100 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10.+55° C Board dimensions 160 x 68 mm Timers 8	Power supply output voltage	12 V DC ±15%
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Event log 3584 Maximum number of programmable inputs 32 Programmable wired inputs 8 Maximum current consumption from the battery 110 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 108 g Max. current consumption 200 mA Standby mode current consumption 100 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55°C Board dimensions 160 x 68 mm Timers 8	AUX output	500 mA / 12 V DC
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Battery failure voltage threshold (±10%) 11 V Maximum humidity 93±3% Weight 108 g Max. current consumption 200 mA Standby mode current consumption 100 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	ll
Maximum humidity 93±3% Weight 108 g Max. current consumption 200 mA Standby mode current consumption 100 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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Standby mode current consumption 100 mA Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55° C Board dimensions 160 x 68 mm Timers 8	Weight	108 g
Supply voltage (±15%) 18 V AC, 50-60 Hz Operating temperature range 10+55°C Board dimensions 160 x 68 mm Timers 8	Max. current consumption	200 mA
Operating temperature range 10+55°C Board dimensions 160 x 68 mm Timers 8	Standby mode current consumption	100 mA
Board dimensions 160 x 68 mm Timers 8	Supply voltage (±15%)	18 V AC, 50-60 Hz
Timers 8	Operating temperature range	10+55°C
	Board dimensions	160 x 68 mm
Partitions 2	Timers	8
	Partitions	2

