

## PERFECTA 32

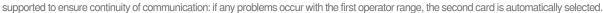
## **CONTROL PANEL**

The **PERFECTA** family control panels are designed to protect small and medium–sized premises, such as apartments, detached houses, segments of terraced houses, offices, small businesses, etc. They provide protection to the requirements of EN 50131 Grade 2.

The system based on the **PERFECTA 32** control panel is characterized by quick installation, simple configuration as well as easy and intuitive operation. In addition to the basic, traditional control, the control panel also offers more advanced methods, for example, by using the functional and intuitive

PERFECTA CONTROL application for mobile devices.

The built-in GSM/GPRS module provides a wide range of features: interaction with mobile application with support for PUSH messages, remote configuration using the **PERFECTA Soft**program, reporting events (e.g. to the monitoring station security agency), voice messaging, control via SMS and audio verification (listening in to the sounds from the protected premises). Two nano–SIM cards are

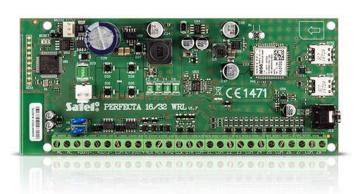


The control panel electronics board is provided with wired 8 zones and 4 outputs. Their number can be increased by connecting the extension modules: **INT–E** zone expander and **INT–O** or **INT–ORS**output expanders. This allows you to expand the system by adding more detectors, sirens, and even actuators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

The control panel enables the object (premises) to be divided into two partitions, with three armed modes to select from (day, night, full). Each zone can be assigned to one or both of the supervised areas.

The system can be configured in two ways: using the intuitive PERFECTA Soft program (from a computer connected with RS-232 (TTL) cable or remotely) and from a keypad, using shortcuts in the service menu.

- compliance with EN 50131 Grade 2
- from 8 to 32 programmable wired zones:
  - o selectable configuration: NO, NC, EOL, 2EOL/NO, 2EOL/NC
  - $\circ\,$  support for roller shutter detectors / vibration detectors
- from 4 to 12 programmable wired outputs
- 2 power outputs on mainboard
- built-in modules:
  - GSM/GPRS with 2 SIM slots (SMS, reporting to monitoring station, mobile application, PUSH notifications)
  - voice (playback of voice messages for telephone messaging purposes)
  - audio alarm verification (listening in)
- system division into 2 partitions:
  - o 3 detection modes in each partition
  - o optional assignment of each zone to two partitions
  - $\circ\,$  user control or timer control option
- communication bus for connecting keypads (PRF-LCD) and expansion modules (INT-E, INT-O, INT-ORS)
- system control by using:
  - $\circ\,$  PRF–LCD keypads (up to 4)
  - PERFECTA CONTROL mobile application
- firmware updates available
- · passwords:
  - o 15 user codes
  - 1 service code
- editable names (of users, partitions, zones, outputs and modules) for easy control and supervision of the system
- timers:
  - o 8 timers with exceptions setting capability





- memory of 3584 events
- automatic diagnostics of main components of the system
- built-in switching power supply:
  - overload protection
  - o battery deep discharge protection
  - o battery charging current control
- programming control panel settings:
  - o locally keypad, 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 GPRS

## **TECHNICAL DATA**

Event 10g     3584       Partitions     2       Timers     8       Board dimensions     160x 8mm       Operating temperature range     150x 5cm       Supply voltage (exits)     180 VAC, 50x 60x 12       Standity mode current consumption     180 mA       Max. current consumption     180 mA       Max. current consumption     100 mG       Max. turner to consumption from battery - standby     100 mA       Current consumption from battery - standby     100 mA       Battery failure voltage threshold (£0%)     11 V       Battery tou-folf voltage (£10%)     105 V       Environmental class according to END103-5     1 I       Maximum current consumption from the battery     1 60 mA       Programmable wired inputs     8       Maximum number of programmable inputs     2       Programmable wired unputs     1       Maximum number of programmable outputs     2       Supplying outputs     2       Communication buses     1       Soundary (application)     2       Sucurity grade according to EN 50131     2       Sucurity grade according	Voice messages	16
Times     8       Board dimensions     160x 68 mm       Operating temperature range     10.4.55° C       Supply voltage (£15%)     18VAC,50-60 Hz       Standby mode current consumption     150 mA       Max. current consumption     160 mA       Weight     100 G       Maximum humidity     33:33%       Current consumption from battery - standby     100 mA       Battery failure voltage threshold (±10%)     11 V       Battery cut-off voltage (±16%)     11 V       Battery cut-off voltage (±10%)     105 N       Maximum current consumption from the battery     160 mA       Maximum numer of programmable vired inputs     8       Maximum number of programmable inputs     8       Maximum number of programmable outputs     1       Supplying outputs     2       Communication buses     1       Gommunication buses     1       Security grade according to EN 50131     3       Security grade according to EN 50131     3       Security grade according to EN 50131     50 mA/ 12 V D       Recommended transformer     40 V A       Users	Event log	3584
Board dimensions     160x88mm       Operating temperature range     160x455°C       Supply voltage (£15%)     18VAC,5060k2       Standby mode current consumption     180 mA       Max. current consumption     180 mA       Weight     180 mA       Maximum humbility     333%       Current consumption from battery - standby     100 mA       Battery cut-off voltage (£10%)     110,5V       Entiry controllage (£10%)     10,5V       Entiry controllage (£10%)     32       Entiry controllage (£10%)     32       Entiry controllage (£10%)     2       Explaining a wired in puts     2       Maximum number of programmable outputs     2       Explaining a wired in puts     2	Partitions	2
Operating temperature range     -10455 °C       Supply voltage (£15%)     180 WAC, 50-60 Hz       Standby mode current consumption     150 mA       Max. current consumption     180 mA       Weight     105 g       Maximum humidity     93:3%       Current consumption from battery - standby     100 mA       Battery failure voltage threshold (£10%)     110 V       Battery failure voltage (£10%)     10,5 V       Environmental class according to EN50130-5     II       Maximum current consumption from the battery     100 mA       Maximum number of programmable vired inputs     8       Maximum number of programmable inputs     32       Programmable wired uitputs     4       Maximum number of programmable outputs     12       Supplying outputs     2       Commication buses     1       Security grade according to EN 50131     Grade 2       Current-carrying capacity, AUX output     500 mA/ 12V DC       Recommended transformer     40VA       Uses     15       Current-carrying capacity of KPD output     500 mA/ 12V DC       User of Legent Aux output     500 m	Timers	8
Supply voltage (±15%)     18VAC, 59-60 Hz       Standby mode current consumption     150 mA       Max. current consumption     180 mA       Weight     105 g       Maximum humidity     9343%       Current consumption from battery - standby     100 mA       Eattery failure voltage threshold (±10%)     11 V       Battery failure voltage threshold (±10%)     10,5 V       Environmental class according to ENS0130-5     II       Environmental class according to ENS0130-5     II       Maximum current consumption from the battery     8       Maximum number of programmable inputs     8       Maximum number of programmable inputs     32       Programmable wired outputs     12       Supplying outputs     2       Communication buses     1       Manipulators     10 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     10,50 V - 14 V DC	Board dimensions	160 x 68 mm
Standby mode current consumption     150 mA       Max. current consumption     180 mA       Weight     105 g       Maximum humbidity     9333%       Current consumption from battery - standby     110 mA       Battery cutofft voltage (±10%)     11 V       Battery cutofft voltage (±10%)     150 mA       Environmental class according to EN50130-5     1       Finyironmental class according to EN50130-5     1       Maximum current consumption from the battery     160 mA       Programmable wired inputs     3       Maximum number of programmable inputs     3       Maximum number of programmable outputs     1       Supplying outputs     2       Communication buses     1       Manipulators     10 to       Security grade according to EN 50131     Grade 2       Current-carrying capacity, AUX output     50 mA / 12 V DC       Recommended transformer     40 VA       Users     15 f       Current-carrying capacity, AUX output     50 mA / 12 V DC       Users     15 f       Current-carrying capacity of KPD output     50 mA / 12 V DC       <	Operating temperature range	-10+55 °C
Max. current consumption     180 mA       Weight     105 g       Maximum humidity     99±3%       Current consumption from battery- standby     100 mA       Battery failure voltage threshold (±10%)     11 V       Battery cut- off voltage (±10%)     11 V       Environmental class according to ENS0130-5     II       Environmental class according to ENS0130-5     II       Maximum current consumption from the battery     60 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       Communication buses     1       Current-carrying gapacity, AUX output     500 mA/12V DC       Security grade according to EN 50131     500 mA/12V DC       Recommended transformer     15       Current-carrying capacity, AUX output     500 mA/12V DC       Recommended transformer     500 mA/12V DC       Current-carrying capacity of KPD output     500 mA/12V DC       Current-carrying capacity of KPD out	Supply voltage (±15%)	18 V AC, 50-60 Hz
Weight     105 g       Maximum humidity     93:9%       Current consumption from battery - standby     100 mA       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     160 mA       Programmable wired inputs     32       Maximum number of programmable inputs     32       Programmable wired outputs     4       Maximum number of programmable outputs     1       Supplying outputs     2       Communication buses     1       Security grade according to EN 50131     Grade 2       Current-carrying gapacity, AUX output     500 mA/12V DC       Recommended transformer     40 VA       Uses     15       Current-carrying capacity of KPD output     500 mA/12V DC       Output voltage range     500 mA/12V DC       Battery charging current     500 mA/12V DC       Output voltage range     500 mA/12V DC       Power supply output voltage     500 mA/12V DC       Power supply output voltage     500 mA/12V DC	Standby mode current consumption	150 mA
Maximum humidity     9333%       Current consumption from battery - standby     100 mA       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     160 mA       Programmable wired inputs     8       Maximum number of programmable inputs     32       Programmable vired outputs     4       Maximum number of programmable outputs     12       Supplying outputs     2       Communication buses     1       Manipulators     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     500 mA       Battery charging current     500 mA       Over supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Max. current consumption	180 mA
Current consumption from battery - standby     100 mA       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     160 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       Manipulators     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 V14 V DC       Battery Charging current     500 mA       Dewer supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Weight	105 g
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     160 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       Manipulators     upto 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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Maximum humidity	93±3%
Battery cut-off voltage (±10%)     10,5 V       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     12       Supplying outputs     2       Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Current consumption from battery - standby	100 mA
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     12       Supplying outputs     2       Communication buses     1       Manipulators     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	Battery failure voltage threshold (±10%)	11 V
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     12       Supplying outputs     2       Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Battery cut-off voltage (±10%)	10,5 V
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       Manipulators     up to 4       Security grade according to EN 50131     Grade 2       Current-carrying capacity, AUX output     500 mA/12V DC       Recommended transformer     40 VA       Users     15       Current-carrying capacity of KPD output     500 mA/12V DC       Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Environmental class according to EN50130-5	II
Maximum number of programmable inputs     32       Programmable wired outputs     4       Maximum number of programmable outputs     12       Supplying outputs     2       Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Maximum current consumption from the battery	160 mA
Programmable wired outputs     4       Maximum number of programmable outputs     12       Supplying outputs     2       Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Programmable wired inputs	8
Maximum number of programmable outputs     12       Supplying outputs     2       Communication buses     1       Manipulators     up to 4       Security grade according to EN 50131     Grade 2       Current-carrying capacity, AUX output     500 mA / 12 V DC       Recommended transformer     40 V A       Users     15       Current-carrying capacity of KPD output     500 mA / 12 V DC       Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Maximum number of programmable inputs	32
Supplying outputs     2       Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Programmable wired outputs	4
Communication buses     1       Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Maximum number of programmable outputs	12
Manipulators     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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ± 15%       Telephone numbers for notification     8	Supplying outputs	2
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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Communication buses	1
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 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Manipulators	up to 4
Recommended transformer     40 VA       Users     15       Current-carrying capacity of KPD output     500 mA /12 V DC       Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Security grade according to EN 50131	Grade 2
Users     15       Current-carrying capacity of KPD output     500 mA/12 V DC       Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Current-carrying capacity, AUX output	500 mA / 12 V DC
Current-carrying capacity of KPD output     500 mA/12 V DC       Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Recommended transformer	40 VA
Output voltage range     10,5 V14 V DC       Battery charging current     500 mA       Power supply output voltage     12 V DC ±15%       Telephone numbers for notification     8	Users	15
Battery charging current 500 mA   Power supply output voltage 12 V DC ±15%   Telephone numbers for notification 8	Current-carrying capacity of KPD output	500 mA / 12 V DC
Power supply output voltage 12 V DC ±15%   Telephone numbers for notification 8	Output voltage range	10,5 V14 V DC
Telephone numbers for notification 8	Battery charging current	500 mA
·	Power supply output voltage	12 V DC ±15%
Power supply output current 2 A	Telephone numbers for notification	8
	Power supply output current	2 A

