

## PERFECTA 32 LTE

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:
  - o configuration options: NO, NC, EOL, 2EOL/NO, 2EOL/NC
  - $\circ\,$  support for roller shutter and vibration detectors
- from 4 to 12 programmable hardwired outputs
- 2 power outputs on the mainboard
- built-in modules:
  - o 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:
  - o 3 arming modes in each partition
  - $\circ\,$  option to assign a zone to two partitions
  - o 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:
  - o 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:
  - o over-current protection
  - o battery deep discharge protection
  - battery charging current control
- programming control panel settings:
  - o 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 using data transmission over the cellular network\*

Maximum ununber 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         50 mA/12 VDC           Programmable wired outputs         4           Battery charging current         50 mA           Power supply output voltage         12 VDC 115s           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable high-current outputs         100 mA/12 VDC           Current-carrying capacity of programmable high-current outputs         100 mA/12 VDC           Current-carrying capacity of programmable high-current outputs         100 mA/12 VDC           AUX output         350 mA/12 VDC           Standby current draw from battery         100 mA/12 VDC           Verent loag         15 ma           Pertuitions         3           Search (See See See See See See See See See Se	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 / 12 VIC           Programmable wired outputs         4           Battery charging current         500 mA           Power supply output voltage         12 VID £15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         50 mA / 12 VID           Current-carrying capacity of programmable high-current outputs         1000 mA / 12 VID           AUX output         500 mA / 12 VID           Standby current draw from battery         130 mA           Weight         145 g           Event tog         3584           Partitions         2           Times         8           Board dimensions         160 kSB mm           Operating temperature range         10-kSF °C           Supply voltage (±15%)         15 VAC, 50-60-12           Standby mode current consumption         570 mA           Volco messages         16	Maximum number of programmable outputs	12
Keypads         upb 4           Secuity grade according to EN 50131         Grade 2           Recommended transformer         40 VA           Users         15           Current-carrying capacity of KPD output         500mA/12 VDC           Programmable wired outputs         4           Battery charging current         500 mA           Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output urrent         2A           Low current programmable outputs rating         25 mA/12 VDC           Current-carrying capacity of programmable high-current outputs         1000mA/12 VDC           Standby current draw from battery         300mA/12 VDC           Partitions         2           Sevent log         3584           Partitions         8           Board dimensions         100 x 68m           Standby poulsage (±15%)         110 x 4.85°C           Standby youkage (±15%)         18 x Acc, sol vle.	Supplying outputs	2
Security 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         600 mA           Eathery charging current         500 mA           Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable ollputs rating         25 mA/12 VDC           Current-carrying capacity of programmable high-current outputs         100 mA/12 VDC           AUX output         130 mA           Event log         350 mA/12 VDC           Standary current draw from battery         130 mA           Event log         354           Partitions         354           Event log         354           Partitions         8           Board dimensions         160 K8 mm           Operating temperature range         160 K8 mm           Standary output user graph         18 VAC.56 ob ½           Standary output user graph         18 VAC.56 ob ½           Standary output user graph         16 VI           Standary output user graph	Communication buses	1
Recommended transformer         40 VA           Users         15           Current-carrying capacity of KPD output         \$0 x0m /12 VDC           Programmable wired outputs         4           Battery charging current         500 mA           Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         500 mA /12 VDC           Current-carrying capacity of programmable high-current outputs         1000 mA /12 VDC           AUX output         500 mA /12 VDC           AUX output         300 mA           Weight         130 mA           Weight         145 g           Event log         384           Partitions         2           Event log         384           Board dimensions         160 x8 mm           Operating temperature range         160 x8 mm           Stankly ondec uteret consumption         170 mA           Max. current consumption         170 mA           Volume tous mumption         170 mA           Value uteret consumption         570 mA           Maximum numitity         10,5 V           Enterty cluff voltag	Keypads	up to 4
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 ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         25 mA/12 VDC           Current-carrying capacity of programmable high-current outputs         1000 mA/12 VDC           AUX output         1000 mA/12 VDC           Standby current draw from battery         130 mA           Weight         145 g           Even Log         3584           Partitions         8           Board dimensions         160 x 68 mm           Operating temperature range         160 x 68 mm           Operating temperature range         18 VAC, 50-60 Hz           Standby voltage (±15%)         18 VAC, 50-60 Hz           Max current consumption         570 mA           Maximum humidity         93.23%           Battery fallure voltage (±10%)         11 V           Brakery fallure voltage (±10%)         10,5 V           Environmental class according to EbS0130-5         II           Maxi	Security grade according to EN 50131	Grade 2
Current-carrying capacity of KPD output         500 mA/12V DC           Programmable wired outputs         4           Battery charging current         500 mA           Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         25 mA/12V DC           Current-carrying capacity of programmable high-current outputs         1000 mA/12V DC           AUX output         500 mA/12V DC           Standby current from battery         100 mA/12V DC           Standby current from battery         100 mA/12V DC           Event log         3584           Partitions         2           Filmers         8           Board dimensions         160 x 68 mm           Operating temperature range         10 - 455° C           Supply voltage (±15%)         18 VAC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           Maximum humidity         393%           Battery failure voltage (±10%)         11 V           Environmental class according to END5103-5         11 U	Recommended transformer	40 VA
Programmable wired outputs         4           Battery charging current         500 mA           Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         25 mA /12 VDC           Current-carrying capacity of programmable high-current outputs         1000 mA /12 VDC           AUX output         500 mA /12 VDC           Standby current draw from battery         130 mA           Weight         145 g           Event log         3684           Partitions         2           Partitions         2           Bard dimensions         160 x 8m           Operating temperature range         160 x 8m           Operating temperature range         18 VAC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           Waximum hundity         33:3%           Battery failure voltage (±10%)         11 V           Battery failure voltage (±10%)         11 V           Brivinomental class according to ENS0130-5         II           Environmental class according to ENS0130-5<	Users	15
Battery charging current         500 mA           Power supply output voltage         12 V DC ±15%           Telephone numbers for notification         8           Power supply output current         2A           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           Weight         145 g           Event log         3584           Partitions         2           Times         8           Board dimensions         160 x 68 m           Operating temperature range         10-x 55° C           Supply voltage (±15%)         18 V AC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           Baximum humidity         93:3%           Battery failure voltage threshold (±10%)         11 V           Battery full voltage (±10%)         10,5 V           Environmental class according to EN50130-5         II           Maximum current consumption from the battery         430 mA           Poppramma	Current-carrying capacity of KPD output	500 mA / 12 V DC
Power supply output voltage         12 VDC ±15%           Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         25 m/1/2 VDC           Current-carrying capacity of programmable high-current outputs         1000 mA/12 VDC           AUX output         500 mA/12 VDC           Standby current draw from battery         130 mA           Weight         145 g           Event log         3584           Partitions         2           Times         8           Board dimensions         160 x 88 mm           Operating temperature range         160 x 88 mm           Operating temperature range         18 VAC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           Battery failure voltage threshold (±10%)         11 V           Battery failure voltage threshold (±10%)         11 V           Brivironmental class according to EN50130-5         II           Maximum current consumption from the battery         430 mA           Programmable wired inputs         430 mA	Programmable wired outputs	4
Telephone numbers for notification         8           Power supply output current         2 A           Low current programmable outputs rating         25mA / 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           Weight         145 g           Event log         3584           Partitions         2           Timers         8           Board dimensions         160 x 68 mm           Operating temperature range         10 - x 55° C           Supply voltage (±15%)         18 V AC, 50-60 Hz           Standby mode current consumption         570 mA           Wolce messages         16           Max current consumption         570 mA           Volce messages         16           Baximum humidity         93±3%           Battery failure voltage threshold (±10%)         11 V           Battery failure voltage threshold (±10%)         10,5 V           Environmental class according to EN50130-5         II           Maximum current consumption from the battery         430 mA           Programmable wired inputs         8	Battery charging current	500 mA
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           Weight         145 g           Event log         3584           Partitions         2           Timers         8           Board dimensions         160 x 8m m           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           Voice messages         16           Maximum humidity         9333%           Battery cut-off voltage (±10%)         11 V           Battery cut-off voltage (±10%)         11,5 V           Entry programmable wired inputs         430 mA           Programmable wired inputs         8	Power supply output voltage	12 V DC ±15%
Low current programmable outputs rating         25mA/12V DC           Current-carrying capacity of programmable high-current outputs         1000 mA/12V DC           AUX output         500 mA/12V DC           Standby current draw from battery         130 mA           Weight         145 g           Event log         3864           Partitions         2           Timers         8           Board dimensions         160 x 68 mm           Operating temperature range         10-x55°C           Supply voltage (±15%)         18V AC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           Maximum humidity         9333%           Battery cut-off voltage (±10%)         11,0 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	Telephone numbers for notification	8
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           Weight         145 g           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         570 mA           Voice messages         16           Maximum humidity         93±3%           Battery failure voltage (±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	Power supply output current	2A
AUX output         500 mA / 12 V DC           Standby current draw from battery         130 mA           Weight         145 g           Event log         3584           Partitions         2           Timers         8           Board dimensions         160 x 68 mm           Operating temperature range         -10455° C           Supply voltage (±15%)         18 V AC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           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	Low current programmable outputs rating	25 mA / 12 V DC
Standby current draw from battery         130 mA           Weight         145 g           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           Volce messages         16           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	Current-carrying capacity of programmable high-current outputs	1000 mA / 12 V DC
Weight         145 g           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           Voice messages         16           Maximum humidity         33±3%           Battery failure voltage threshold (±10%)         11 V           Battery cut-off voltage (±10%)         10,5 V           Environmental class according to EN50130-5         Il           Maximum current consumption from the battery         430 mA           Programmable wired inputs         8	AUX output	500 mA / 12 V DC
Event log         3584           Partitions         2           Timers         8           Board dimensions         160×68 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           Voice messages         16           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	Standby current draw from battery	130 mA
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           Voice messages         16           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	Weight	145 g
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           Voice messages         16           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	Event log	3584
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           Voice messages         16           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	Partitions	2
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           Voice messages         16           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	Timers	8
Supply voltage (±15%)         18 V AC, 50-60 Hz           Standby mode current consumption         170 mA           Max. current consumption         570 mA           Voice messages         16           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	Board dimensions	160 x 68 mm
Standby mode current consumption     170 mA       Max. current consumption     570 mA       Voice messages     16       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	Operating temperature range	-10+55°C
Max. current consumption         570 mA           Voice messages         16           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	Supply voltage (±15%)	18 V AC, 50-60 Hz
Voice messages     16       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	Standby mode current consumption	170 mA
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	Max. current consumption	570 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     430 mA       Programmable wired inputs     8	Voice messages	16
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 humidity	93±3%
Environmental class according to EN50130-5 II  Maximum current consumption from the battery 430 mA  Programmable wired inputs 8	Battery failure voltage threshold (±10%)	11 V
Maximum current consumption from the battery     430 mA       Programmable wired inputs     8	Battery cut-off voltage (±10%)	10,5 V
Programmable wired inputs 8	Environmental class according to EN50130-5	II .
	Maximum current consumption from the battery	430 mA
Maximum number of programmable inputs 32	Programmable wired inputs	8
	Maximum number of programmable inputs	32



 $<sup>^*</sup>support for data transmission using the LTE/HSPA+/EDGE/GPRS technology-depending on the cellular network capabilities$