INT-KWRL2-WSW

WIRELESS LCD KEYPAD

Wireless keypad for operating and programming the **INTEGRA** and **INTEGRA Plus** control panels. It is intended for operation as part of the **ABAX 2**/**ABAX** two–way wireless system. To connect the keypad to the control panel, a controller is required. In the **ABAX 2** system, all transmissions are encrypted in the AES standard.

INT–KWRL2–WSW complies with the requirements of EN 50131 Grade 2.

The device is equipped with a display (2x16 characters) and 12 keys (compliance with the telephone standard). Four of them are used to navigate through the menu, as well as to arm and disarm the system. The keypad can also be used to trigger alarms: FIRE, AUX, PANIC.

The available LEDs indicate the state of partitions and system, while the piezoelectric transducer is responsible for audible indication (of selected events in the system).

INT–KWLR2 has a built–in reader of proximity cards and tags for operating the alarm system. You can use them to arm the system in full arm mode, disarm the system, and clear alarm.

The display and keys are backlit in white.

The keypad is configured and its firmware is updated remotely. The process is running in the background.

The keypad power source consists of two CR123A 3 V batteries, whose condition is being constantly monitored. The device works in the wake–up or sleep mode (saving energy after 20 seconds of inactivity). For additional reduction of energy consumption, you can disable the proximity card reader (e.g. when it will not be used for operating the alarm system).

INT–KWRL2 has tamper protection against opening of the enclosure and/or removal from the mount.

- certificate of compliance with the EN 50131 Grade 2 requirements
- works together with the **INTEGRA** and **INTEGRA Plus** control panels (version 1.19 or higher)
- when working as part of the wireless system, a controller is required to connect to the control panel:
  - ABAX 2: **ACU–220** or **ACU–280**
  - ABAX: **ACU–120** or **ACU–270**
- two–way encrypted radio communication in the 868 MHz frequency band
- range of radio communication in the open area:
  - in ABAX 2: up to 800 m
  - in ABAX: up to 800 m (with **ACU–120**) / up to 400 m (with **ACU–270**)
- LED indicators of the state of partitions and system
- white backlight of the display and keys
- reader of proximity cards/tags
- audible indication of selected events in the system
- FIRE, AUX and PANIC alarms triggered from keypad
- remote configuration and updating of firmware
- tamper protection against opening of the enclosure and/or removal from the mount
- power supply: 2 CR123A 3 V batteries

TECHNICAL DATA

Enclosure dimensions	145 x 143 x 25 mm
Operating temperature range	-10°C...+55°C
Weight	374 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	2 x CR123A 3V
Environmental class according to EN50130-5	II
Maximum current consumption, BT1 battery	30 mA
Maximum current consumption, BT2 battery (card reader disabled)	30 mA
Maximum current consumption, BT2 battery (card reader enabled)	40 mA
Radio communication range (in open area) for ACU-120	up to 800 m
Radio communication range (in open area) for ACU-270	up to 400 m
Radio communication range (in open area) for ACU-220	up to 800 m
Radio communication range (in open area) for ACU-280	up to 800 m
Power consumption in standby mode from BT1 battery	5 µA
Power consumption in standby mode from BT2 battery	1 µA