

BS-477 BS-477/SL

**WIRELESS KEYBOARD
FOR TYPE BS-468/A**



TECHNICAL SPECIFICATIONS

POWER SUPPLY	2x lithium Battery type CR-123a battery (6V nominal voltage)
BATTERY LIFE	1 year (1 minute activation per day)
COMMUNICATION FREQUENCY	868 MHz
COMMUNICATION RANGE	About 200m (open area)
DEGREES OF COVER PROTECTION	IP20
PRODUCED IN ACCORDANCE WITH	EN 50131-1, CLC/TS 50131-2-2, EN 50131-5-3 classification: grade 2
COMPLIES WITH	ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1 ERC REC 70-03
OPERATION TEMPERATURE RANGE	-10 to +40 °C
CONSTRUCTION MATERIALS	ABS/PC
DEVICE DIMENSIONS (LxWxH)	150.6 x 100.6 x 30.6 mm.
TYPICAL WEIGHT	205gr.
GUARANTEE	2 years

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GENERAL

The **BS-477** (White) or **BS-477/SL** (Silver) is a device of the alarm system **BS-468/A**. The menu is similar to the BS-466/A (wired keypad). It has a graphic display and touch keys (Figure 1).

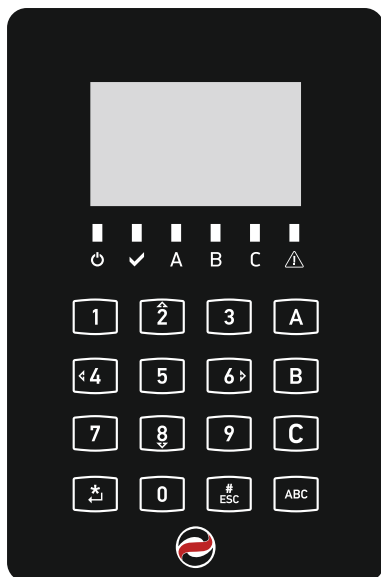


Figure 1
Front view of the wireless keyboard

INSTALLATION

Installation should only be carried out by qualified technicians, provided that the entire technical manual has been read.

To install, follow the procedure below:

1. Remove the front cover of the device with a wide screwdriver.
2. Mount the rear plastic to the wall, with the supplied mounting materials, to the points shown in Figure 2. When an external input connection is required, connect to the terminal block of the base.
3. Insert the batteries into the device and re-install the front cover, that was removed in step 1.
4. The device is ready to operate.

NOTE!! Reverse battery protection is provided.

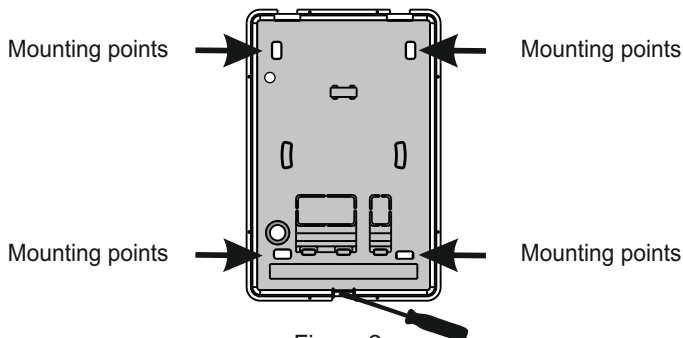


Figure 2.
Wireless keyboard base

CONNECTION WITH EXTERNAL MAGNETIC CONTACT

The device can be connected to external magnetic contacts via the **CN1** terminal block (Figure 3). If a magnetic contact is connected to this input, the device will send a signal to the panel everytime the magnetic contact is triggered. If the contact is not connected to an external device, at the cable terminal of the **CN1**, then manufacturer's cable must remain.

Note: *The maximum distance of the external sensor cable is 3 meters !!!*

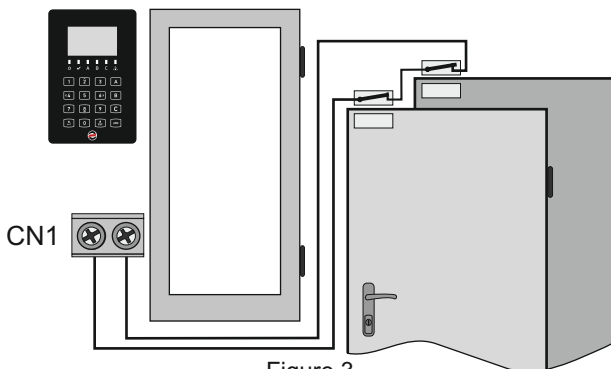


Figure 3.
Example of a wireless keyboard connection with
BS-477

LED INDICATIONS

-  Power supply ok
-  System ready to arm
-  Sector A armed
-  Sector B armed
-  Sector C armed



When LED is on, means that there is fault.

When blinking means that alarm is activated.

Note: *During exit countdown Sectors indicators blink by default.*

CONTROL KEYS

- 0-9 Entry numbers
- “*” Menu entry (Enter)
- “#” Cancel key (ESC)
- A,B,C,ABC Keys for instant arm without code
- “#” With a prolong press for 5 sec. it sends a panic alarm to the panel
- ^ 2 (Up)
- v 8 (Down)
- > 6 (Right)
- < 4 (Left)

DEVICE ACTIVATION

The cases that the LCD screen remains ON are:

- a)** In the technician and user menu.
- b)** If countdown is in progress (entrance or exit time).
- c)** If siren sound is on, it will remain active so long as the siren sounds.
- d)** When a key is pressed, the time until device deactivation is reset.
- e)** When a human palm is detected close to the screen even if no button is pressed.
- f)** When an arm - disarm code or code to enter menu is entered.

KEYS UNLOCK AFTER DEVICE ACTIVATION

When the device is deactivated, a touch to the buttons with the palm of the hand for 1 second is needed in order to activate the device. As soon as the device is activated, the LCD screen and the backlight of the keys are lighting. At this stage, the keys are locked, and every three seconds a message appears prompting the user to press the “*” key so as to unlock the keypad. Until this button is pressed, no other button will be activated even if it is pressed, and the buzzer will not sound when the buttons are pressed. As soon as we press “*”, the keypad is unlocked and the buzzer will now sound when a key is pressed. When the keypad unlocks, the symbol (✓) on the screen briefly shows that the keypad has been unlocked.

IMPORTANT : *The panic key is detected even if the keyboard is locked. So the user will not have to push the “*” key, instead can directly push the “#” key for 5 sec. after device activation, in order to send the panic alarm.*

EXAMPLE OF ENTRANCE CODE (SYSTEM DISARM)

Assuming the disarming code is 1234, then to disarm the system, just touch with your palm the keys and once the keys are illuminated, press “*” then “1234”.

Communication error: If the message "COMMUNICATION ERROR WITH THE PANEL" is printed at startup, this means either the keyboard is not connected to any network, or it cannot communicate with the control panel for some reason.

DEVICE DEACTIVATION

If the keyboard does not detect a human palm, it will power down after 10 seconds in order to save power. In this state only the following functions are active:

- a) tamper detection
- b) external contact detection
- c) detection of the human palm near the keys.

The reasons which cause the device to remain activated for more than 10 seconds are described in the “Device Activation” paragraph.

Energy saving: If the keyboard does not detect the human palm over the keys for 10 seconds, it turns off the LCD backlight of the screen and the keys, even if it remains on, so it saves energy.

AUTOMATIC ADJUSTMENT OF SENSITIVITY LEVEL

Once the batteries are installed, the device detects the surrounding area and gradually adjusts the sensitivity of the keys. In this case, after installing the batteries, it is likely that the device will remain activated for more than 10 seconds. Also in the event of a significant change, such as being removed from the wall and held in the user's hand, the automatic adjustment process is intensified and the device is likely to remain activated for more than 10 seconds. Due to the above, it is suggested during the installation process that the user should hold in his/her hand the complete device (the keyboard mounted on the base). Over time the surface of the device will cause any accumulation of dust or moisture. The process of automatic sensitivity adjustment is quite important because the device will cope as well as possible with these changes.

BATTERY REPLACEMENT

The wireless keyboard checks its battery voltage and transmits the information to the control panel. When the control panel displays a low battery indicator, the detector will continue to operate for at least 2 weeks. Nevertheless it is recommended to replace the battery as soon as possible. This must be done by a qualified technician and the control panel must be in **service mode**.



It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.

WARRANTY

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid. Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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