WIRELESS BURGLAR ALARM SYSTEM

BS-468/A

QUICK INSTALLATION GUIDE

Contents

1. BEFORE INSTALLATION

1.1 GENERAL INFORMATION

Thank you for choosing an Olympia Electronics product to protect your property. The set of wireless alarm devices included on the kit is suitable for apartments, small two-storey houses and small business premises. This guide will help you recognize the enclosed devices and understand your system setup. In order to install BS-468/A system, you do not need any special technical knowledge, as long as you follow the instructions in this document. For any further information in addition to this manual, please refer to the BS-468/A manual which is also enclosed within the kit as well as the instructions for the individual devices that are enclosed in the packaging of each device. You should keep in mind that during the installation procedure the wireless keyboard should not be left unnecessarily active in the technician menu. For every half hour that its screen is active (the average time needed to keep it turned on during the installation process), it costs about 10 days of its autonomy. This manual will mention you when you need to turn the wireless keyboard on or off.

⚠ Whenever the user sees this special symbol followed by the words **"NOTE"** or **"CAUTION"** then special attention should be paid to this point.

1.2 What is included inside the wireless KIT BS-468/A/Kit

⚠️ **NOTE:** Applies only if you have purchased this Kit.

BS-468/A Burglar alarm panel 8 zones

1 PC

BS-470 Wireless PIR motion sensor

1 PC

BS-429/W Magnetic trap for burglar alarm (white) NC

2 PCS

BS-471 Wireless magnetic door detector

1 PC

BS-475/B Wireless siren in charcoal colour

1 PC

BS-477/SL Wireless keyboard for BS-468/A burglar alarm panel

1 PC

BS-479 32 wireless zone expansion module for BS-468/A

1 PC

RF-467 Remote control transmitter 433MHz for BS-468, BS-468/A panel

2 PCS

YET205B-630 MODULE RECEIVER 433MHz,RECEIVER MODULE,4 CODES, 1 OUTPUT PER CODE

1 PC

A-986 12V 12V/7Ah sealed lead acid battery

1 PC

1.3 Starting the installation

Make sure the BS-479 extension is mounted on the panel. All the wireless peripheral devices (traps, radars, sirens, keyboards) do not have their batteries installed. We place the BS-468/A board in the position we have chosen for installation and connect it to the mains supply, according to the following diagram.

Panel connection to 230V AC

Fuse: T630mAL250V (5x20)

1 cm

1 cm

Power supply connection terminal block (230VAC)

Panel mounting points

Automatic telephone dialer mounting points

Remote control receiver mounting points (RF receiver)

No terminal blocks on BS-479 board, because all zones are connected wirelessly

Keyboard and general output connection terminal blocks

Zones 1-8 connection terminal blocks

Battery compartment   Panel mounting point

BS-479

1.4 Installation methods

BS-468/A comes with factory predefined codes for:
User (Master): 1-2-3-4
Installer-Technician: 9-9-9-9

A. PC
To proceed with installation through a computer, please refer to the user manual Section 3.6 "Programming via computer".
B. BS-466/A wired Keyboard
The installation process through the wired keyboard is the same as that of the wireless keyboard in steps 3 and 5 (see installation mode C).
C. BS-479 wireless extension and BS-477 Wireless Keyboard

⚠ **NOTE:** For basic and specialized keyboard operations and panel's settings, please refer to "Section 4" of this guide.

2. DETECTION OF NETWORK'S DEVICES

2.1 Wireless keypad detection

⚠ **CAUTION:** The choice of placing the panel is very important for the signal's strength, because all the other devices are communicating with the panel. Avoid (especially in big places) to place the panel to terminal places, where the distances with some devices are big. Also, avoid placing close to metal surfaces or behind thick walls. They are suggested places near to the center of the protected area.

⚠ **NOTE:** If you have purchased the wireless kit, then the BS-477 wireless Keypad inside the kit is already synchronized with BS-468/A panel. You only need to install all the other devices from the BS-477 menu. If you have purchased the panel with the Keypad separately, then you must first synchronize the keyboard with the panel and then install the rest of the devices from the BS-477 keypad. Below the whole procedure is described. If you have purchased the whole kit, then you must directly go to step 2.

The procedure must be done before the installation of any other device. The procedure is simple and it is performed using 1 push-button of the BS-479 expansion card. The process is separated into 2 parts. The first part includes the devices detection and the second installs a wireless keypad. When the BS-477 wireless keypad is installed, the installation of the other devices can be completed by the keypad menu. In order to continue, focus on the BT1 button and the LD4 LED (green) of the BS-479 card. The total time of the STEP 1 procedure is about 2 minutes.

First, the BS-468/A panel should recognize the BS-479 wireless zone extension. This search includes all connected devices, extensions and wired keyboards. The BS-477 batteries that will occupy zone 25 must not be installed and the tamper must not be depressed. The procedure is as follows:

1. Connect the panel to the mains and wait for 30 seconds to initialize. LD4 (green) is off at this stage.
2. Press button BT1 for about 3 seconds until LD4 lights up. Then release the button.
3. Wait about 60 seconds until LD4 starts blinking, indicating that device scanning is completed.
4. Insert the batteries into the BS-477 keypad. The panel detect it and will import it to its network. At the same time the LD4 will go out.
5. Wait for about 15 seconds in order BS-477 screen and LEDs are refreshed. BS-477 Keypad installation has been completed. The other devices can now be identified by the keypad's technician menu.
6. End of procedure.

⚠ **NOTES:**

i.   During the above procedure, do not attempt to add another device to the network (e.g. siren, magnetic contact, etc.) other than the keypad. No other
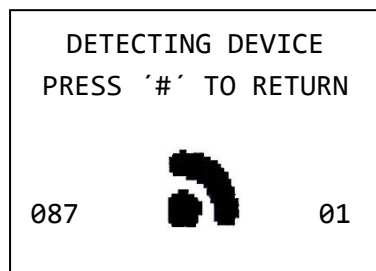
device should have the battery connected as long as the above procedure is running.

ii. The keypad detection process has a 1-minute timeout period, since the LD4 starts flashing. If no keypad is inserted for 1 minute, LD4 will go out. To start the procedure again, the BT1 button must be pressed again.

iii. When the keypad is successfully installed at zone 25, it will be OFF. To switch it on, go to the technician's "ZONES" menu. This happens because the tamper is not pressed, so the panel will raise an alarm event. As a result, if a wired siren is connected to it, it will be triggered.

iv. In case only a wireless keypad is installed and the user tries to connect a wired keypad to the system, there will be no communication with the panel. In order to make it operational, the user has to proceed to "SCAN KEYBOARDS" through the technician menu.

v. As soon as the panel detects the wireless keypad it will erase all wireless zones and will insert the new keypad into zone 25.

2.2 Detection of wireless devices

Below are described all the necessary steps in order to install wireless devices in the panel. This process is carried out by the menu "NETWORK INSTALLATION".

1. Press "*↵ ". Go to "MASTER OR TECH MENU". By entering the technician code, the user has now "TECHNICIAN" privileges.

2. Go to "WIRELESS NETWORK". Press "*↵ ". Choose "NETWORK INSTALLATION" and the wireless devices detection starts. At the bottom left corner of the screen there is a counter counting the seconds. After 999 seconds, if no device is added, the installation process stops automatically. After each introduction of a new device it starts to count from the beginning. The bottom right corner gives the number of devices already installed on the network.

```
   DETECTING DEVICE
 PRESS ´#´ TO RETURN


 087              01
```

3. To add a device to this system, the user needs to place the battery in the specific device, push the tamper spring for 1 - 2 seconds and then release it. If successful, the message will pop up and then the 3-line screen to the left will appear. In the upper line there is the zone number the device has been inserted to (25 in this example). The middle line shows the type of wireless device. The bottom line contains the unique address of the added device (in our case 0300010F). Note that as long as this screen is printed for 10 seconds, no other device can be added to the network.

```
       25


     BS-477


    0300010F
```
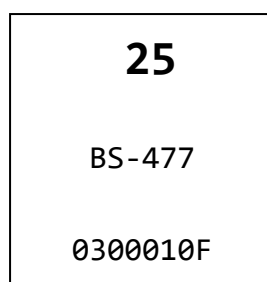
4. After a few seconds the installation screen reappears and the user can add other device if needed in the same way. After adding a device, it takes 10 seconds for a next device to be recognized.

5. If 32 devices are already installed and a user tries to add another, 4 long beeps will be heard. No other devices can be installed.

6. By pressing "#ESC" the installation procedure stops.

⚠ **NOTE:** For every change in the wireless zone menu and during the extensions scan, an amount of time is needed in order to update the data of the wireless system. During this time, when we try to enter a menu, a waiting message appears. When the update process is complete, the menus can be used as usual.

⚠ **NOTE:** The above process could be followed with another way as well.
First mount all the devices with their batteries to their positions and then enter the network installation menu. The devices will be automatically installed in 5-10 minutes. If you would like to speed up the process, you can go and press the tamper in the devices one by one.

3. DEVICE'S INSTALLATION

3.1 Range testing using wireless keypad
By choosing "SIGNAL STRENGTH" the technician can move to each device's position and check the signal strength at the specific location.

By entering the technician menu, go to "WIRELESS NETWORK" → "SIGNAL STRENGTH". The value shown on the screen is the signal strength on the specific position. This value is refreshed every few seconds. When refresh occurs, 4 flashing dots appear on screen. Prices above 30 means good signal, 19 to 30 average signal, and below 19 means "low signal". Beyond this value communication is possible, but there will be a large number of lost packets. It is not recommended to install a device when the mark is below 20. If at some point there is insufficient signal for a device, think of a better place to place the panel. The position of the panel is of key importance for the quality of the wireless network. It is suggested to wait 10-20 seconds at each point to see that the signal is not fluctuating. The 4 dashes at the bottom of the screen should be also blinking regularly. Note that any presence of material between the device and the board will affect the signal strength to a greater or lesser extent, depending on the material. Do not place the panel in metal or behind metal-covered areas.

3.2 Final placement of wireless devices
❖ **Remove the batteries from all devices except the wireless keypad.** Press "#ESC" to return to the home screen and let it turn off in order to save battery power.
❖ **Place every wireless device on its final place** (e.g. magnetic traps on doors, siren on outer space, etc). Activate the wireless keypad with the touch of your palm and enter the technician menu. Put the batteries on all devices and close their lids. The user can refer to each device's instruction manual separately. Be aware

of the correct dip switches position. In infrared sensors the dip switches adjust the sensitivity and whether the zone is with or without delay. On magnetic sensors the switches adjust the zone delay and the internal sensor activation (in case the user wants to connect external). For delayed alarm selection, the dip switch 1 must be ON in the BS-470, while in the BS-471 the dip switch 2 must be in the ON position. For more details on these switches and for connecting external magnetic contacts, refer to the manuals of these devices.

❖ **Check every device's signal strength** by selecting "MASTER OR TECH MENU" → "WIRELESS NETWORK" → "VIEW DEVICE". "RSSI" indicates the signal strength of the wireless zone in a range of 1 to 4. See also some practical tips in SECTION 2 below.

❖ **Check the tamper springs and sensors of all devices from the keypad and make sure that all devices are inserted into the panel's network.**
("MASTER OR TECH MENU" → "WIRELESS NETWORK" → "WIRELESS TAMPERS" or "WIRELESS SENSORS")

- WIRELESS TAMPERS
  This feature allows the user to monitor in real time whether the tamper spring of each wireless device installed on the network is pressed or not. The numbers displayed are the wireless zones tamper states. Press and release the tamper springs one by one and observe the corresponding zone indicator turning off for a few seconds (while spring is pressed down) or on (spring is released).

- WIRELESS SENSORS
  This feature allows the user to monitor in real time, whether the sensor of a wireless device that is installed on the network is activated or not. The numbers displayed are the wireless zones that give a sensor activation signal.

  ⚠ **NOTE**: On the wireless keypad, this display has a delay of up to 4 seconds once the device has changed its status.

4. STARTING UP THE INSTALLED SYSTEM

4.1 System configuration
Perform **all settings for zones** ("MASTER OR TECH MENU" → 9 9 9 9 → "ZONES"), **entry time, exit time, extra time and the time and date of the system** ("MASTER OR TECH MENU" → 9 9 9 9 → "SETTINGS"). See also some practical tips in SECTION 3 below.

Connect the battery to the panel. There are **two wires**, **red** and **black** for connecting to the **positive** and **negative** poles, respectively. Once connected, return to the

home screen and then enter the user menu. Now it is time to <u>change the Master user code</u> from "1234" to another of your choice. This code will be used to arm and disarm the whole system when exiting or entering the guarded area. This is done by selecting "MASTER OR TECH MENU" → 1 2 3 4 → "CODES" → "CHANGE MAIN PASSWORD". Through the "CHANGE PASSWORD" option the user can create or change user's codes.

4.2 Installation completion

All the above steps were the main settings in order to make a system operational. The user can also refer to the technical manual in order to enter extra passwords, to put automated timer operations and use the system's outputs (e.g. to turn on lamps in some events or to drive external sirens). If you have purchased a GSM or PSTN extension, refer to the corresponding paragraphs of the BS-468/A technical manual, as well as these devices' manuals, to install them on the system. The installation procedure has come to its end. You have set up an operating system and you know all the basic details to operate this system. You can try an arm - disarm test to check that this function is running properly.

⚠ **CAUTION!!!** For optimal system operation, when entering a password either to enter or exit the guarded area, do not type something on the keypad or open - close doors or windows, while the message "PLEASE WAIT" appears. Wait for the message to disappear and make sure the system responded correctly to the code (e.g., the exit countdown was started or the timer has stopped after input).

5. DEVICES INSTALLATION

5.1 Generals

⚠ **CAUTION**: If the user leaves the technician menu during installation, then an alarm will be raised and heard from the siren if some device has its tamper spring free. When leaving the technician menu, the siren will not sound for existing alarms (e.g. already activated tampers). If no key is pressed for 15 minutes on the wireless keypad, the keypad will return to the home screen itself (by going out of the tech menu) and turn off the screen.

INSTALLATION PROCEDURE: For the best possible ease and speed, have the devices in front of you. Put the BS-468/A panel in installation mode and place the batteries one at a time on the devices, followed by tamper press and release after each battery installation. When you get the message that the device has entered a zone, proceed to the next device until you complete with all the devices. When you finish, you can install the devices in place (e.g. the magnetic traps are placed on the doors and windows and so on).

5.2 Device's control operation

1. From the corresponding menu, check each device's signal strength, which should be at least 2/4 to be considered satisfactory.
2. Check the tampers. You should leave the menu only when it says "ALL ZONES ARE OK". If a zone flashes, you should check the specific device's tamper. Be careful if a zone is in "Disabled - Off" mode. The tamper alert never flashes even if it exists.
3. As far as magnetic sensors are concerned, open the door or window on each one of them, watching the keypad's screen changing. As of PIR sensors (radars), pass in front of the radar to see if the red LED on the radar lights up and the keypad screen changes. Let it be noted that radars turn on the LED on each activation, only in the technician menu. Be careful if a zone is in "Disabled - Off" mode. The sensor activation alert never flashes even if it exists.

6. BASIC SYSTEM CONFIGURATION

6.1 Zone settings

The entry - exit points of the guarded space must be set as "Zone with delay", for the user to have enough seconds to disarm the system. Whether they are magnetic contacts on doors, or motion detectors that see these doors or magnetic connectors connected to the external input of one of the devices, they must have a delay. The remaining windows and doors, either infrared or magnetic sensors, can be set as zones without delay. If these sensors are triggered in an armed system, they will immediately give alarm signal. If a zone is set as "Disabled - off", it means that the specific device cannot give an alarm. Keep a note that "zone bell" has no power for the wireless zones, which do not cause a bell event, regardless of the bell menu selection.

6.2 Section configuration

If a user wants to have an armed system while being inside the guarded area, then the magnetic contacts must be in a different section from the motion sensors, so that only the magnetic devices' section is armed. When you leave the guarded area, you can arm all areas normally.

6.3 Entrance, exit, extra time settings

 The exit time must be sufficient enough for the user to leave the guarded area before the system arms. Entry time should be enough for the user to enter the password for system disarm. It is advisable not to be marginal, in case of accidentally mistyped passwords. If a password is typed from a wireless keypad, an extra 5 seconds should be taken care of, in order to open and unlock the keypad. It is suggested that the input time is not less than 30 seconds when a wireless keyboard is used. As far as the extra time is concerned, it may be necessary for some zone to take extra time from the normal delay. For example, if some user needs to arm the system, but also needs to leave with the car from the garage, he could set the garage door zone as a "NEXT DELAY" zone and set its extra time by "TECHNICIAN MENU" → "SETTINGS" → "EXTRA EXIT TIME". This additional time is also added when entering in an armed system. This extra time is rarely used. It is suggested that "NEXT DELAY" zones to be placed in a separate section. So some user could have one section with motion sensors, one with magnetic sensors set to "NEXT DELAY" and one with the other magnetic sensors.

6.4 Zones bypass – forced arm

 It is suggested that motion sensors have the following options during setup: Bypass = "NO", Forced Arm = "YES". In that way the user can arm the system, bypassing them, but as soon as he leaves, the devices are able to give an alarm event. As far as magnetic contacts are concerned, they are usually chosen not to be bypassed, in order to prevent the system from arming and notify the user to secure those zones (close an open window). The setting for this is Bypass = "NO" and Forced Arm = "NO". The keypad notifies the user one-by-one for zones that do not let the system arm. When all doors and windows are closed, the system starts the exit countdown without having to re-enter the password. If a user wants to be able to leave a window open when the system is armed, then the "FORCED ARM" option for this zone should be selected "YES".

7. HANDLING THE SYSTEM WITH THE WIRELESS KEYPAD

7.1 Key Operations and Functions of the Wireless Keyboard
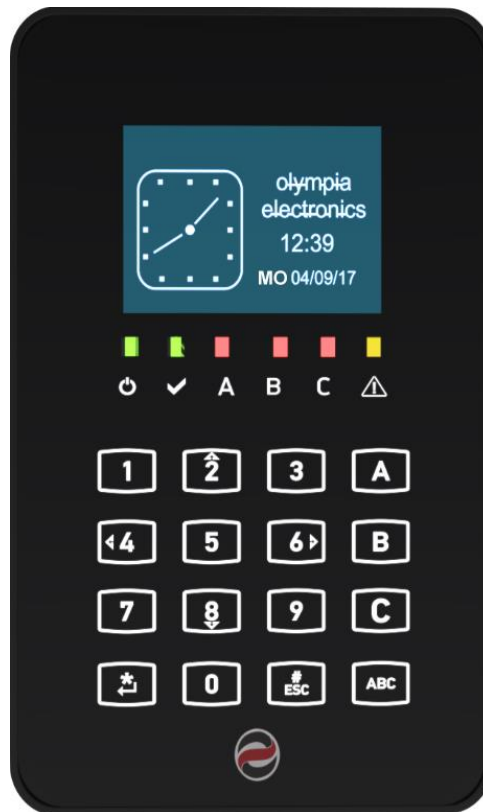
INDICATION LEDS	
⏻	AC supply connected
✓	System ready to arm
Ⓐ	Section A armed
Ⓑ	Section B armed
Ⓒ	Section C armed
⚠	Constantly ON means there is a fault, blinking means an alarm has occured **Note:** During exit time, section indicators are blinking (factory settings)

CONTROL KEYS	
• 0-9 Input numbers • "*" Menu Entrance (Enter) • "#" Cancel button (ESC) • A, B, C, ABC Buttons for instant arming without password • "#" with a prolonged touch for 5 seconds gives a panic alarm	• ∧ 2 (Up) • ∨ 8 (Down) • > 6 (Right) • < 4 (Left)

7.2 Basic Menu

```
                        ┌────────────────────────────┐
                        │         MENU               │
   Password             │  BYPASS ZONES              │   Password
                        │  BYPASS W/LESS ZONES       │
   9-9-9-9              │  MASTER OR TECH MENU       │   1-2-3-4
                        │  WIRED ZONE CONDITION      │
                        │  WLESS ZONE CONDITION      │
                        │  LAST ALARMS*              │
                        │  ALL EVENTS                │
                        │  MANUAL OUTPUTS CHECK      │
                        │  INFORMATION               │
┌──────────────────────┐│                            │┌──────────────────────┐
│   TECHNICIAN MENU    ││                            ││     MASTER MENU      │
│ EVENTS               ││                            ││ EVENTS               │
│ CODES                ││                            ││ CODES                │
│ SETTINGS             ││ *(Appears only when        ││ SETTINGS             │
│ TIMERS               ││    there are alarms)        ││ TIMERS               │
│ ZONES                │└────────────────────────────┘│ RESET                │
│ WIRED ZONE CONDITION │                              │                      │
│ OUTPUTS              │                              │                      │
│ SYSTEM               │                              │                      │
│ PSTN                 │                              │                      │
│ GSM                  │                              │                      │
│ WIRELESS NETWORK     │                              │                      │
│ FACTORY MENU         │                              │                      │
└──────────────────────┘                              └──────────────────────┘

┌──────────────────────┐                              ┌──────────────────────┐
│   WIRELESS NETWORK   │                              │      SETTINGS        │
│ VIEW DEVICE          │                              │ ARM WITH TECH. CODE  │
│ ASSIGN ZONE          │                              │ DAY OF WEEK SETTING  │
│ NETWORK INSTALLATION │                              │ DATE SETTING         │
│ DELETE SINGLE ZONE   │                              │ TIME SETTING         │
│ DELETE ALL ZONES     │                              │ BUZZER SETTING       │
│ RF COMM SUPERVISION  │                              │                      │
│ WIRELESS TAMPERS     │                              │                      │
│ WIRELESS SENSORS     │                              │                      │
│ SIGNAL STRENGTH      │                              │                      │
│ SIREN LED SETTING    │                              │                      │
│ RF MASTER INFO       │                              │                      │
└──────────────────────┘                              └──────────────────────┘
```

7.3 Wireless keypad activation

Cases where the screen remains open are:
a) In the technician menu and user menu.
b) If countdown is in progress (entry or exit time).
c) When activated and the siren sounds, it will remain active for as long as it sounds.
d) When the key is pressed, the time before the display is turned off is renewed.
e) When it detects the user's hand close although there is no key pressed.
f) When a code is entered for arming - disarming or for entering a menu.

When the LCD screen of the device is turned off, it is enough to slightly press the keys with the palm to activate it. As soon as it is switched on, the key illumination is on too. At this stage the keys are locked, and every three seconds a message prompts the user to press the "*" key to unlock the keypad. Until this key is pressed, no other key is activated if it is pressed and the buzzer does not sound when the keys are pressed. Once "*" is pressed, the keypad is unlocked and the buzzer will now sound when a key is pressed. When the keyboard unlocks, the symbol (✓) is displayed for a while, indicating that the keypad was unlocked.

IMPORTANT: The panic button is detected even when the keypad is locked. Therefore, once the device is switched on, it is not necessary for the user to press "*" first, but can press "#" for 5 seconds and send a panic alarm.

7.4 Basic handling and settings

The panel has 1 main code (master code) which by default is set to "1 2 3 4" and up-to 50 user codes which by default are not programmed. The system can operate in two different modes. Depending on the mode of operation, the arm and disarm operations differ.

Arm, **disarm**, **silent alarm** and **panic alarm** on BS-468/A can be activated through RF-467 **telecontrol**, which is given (2 pieces) **preinstalled**. For more information regarding the installation and usage of these devices, please refer to last 3 pages of this guide.

Complete System

In this case the system arms and disarms altogether.

Arming can be achieved by using the master code or one of the user codes. The arming of the system can also be succeeded by simply pressing the ABC key, if during the installation, the option **"ARM WITHOUT CODE"** has been selected.

Disarming can be achieved by entering the master code or one of the user codes.

Split System

In this case the system operates as three independent subsystems. You can arm and disarm the whole system or each subsystem independent from the others.

Arming of the whole system can be done by using the master code or one of the user codes that have been programmed for general arming. The arming of the

system can also be done by simply pressing the ABC key, if during the installation, the option "ARM WITHOUT CODE" has been selected.

The disarming of the system can be done by using the master code or one of the user codes that have been programmed for general disarming.

The individual arming of the subsystems A, B, C can be done by pressing one of the user codes that have been programmed to arm each subsystem. The arming can also be achieved by pressing one of the A, B or C keys, if during the installation, the option "ARM WITHOUT CODE" has been selected. The arming of one subsystem does not affect the status (armed - disarmed) of the other subsystems.

The individual disarming of the subsystems A, B, C can be done by pressing one of the user codes that have been programmed to disarm each subsystem. The arming of one subsystem does not affect the status (armed-disarmed) of the other subsystems.

If during the arming procedure a zone is active then the keyboard shows the message:

```
SYSTEM CAN NOT ARM
      ZONE 05


    KITCHEN
*: BYPASS ZONE
```

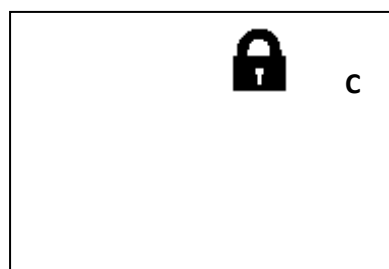Which means that on zone 5 (Kitchen) a window has been left open.

If we press " # " the arm command is canceled.

If we press " * " or close the kitchen window we see:

```
  ZONES BYPASSED

       ✔

  READY TO ARM
```

This message is shown for 1 second and immediately the arming process starts.

Armed System Indication

When the system is armed, then next to the clock, instead of the Olympia electronics logo there is a lock symbol. Next to the lock symbol we can see which sections are armed. In this example we can see that the system is partially armed because only the C section is armed. If the system was fully armed then the symbols A, B, C would have been displayed. When the system is disarmed, the lock is removed and the Olympia electronics logo is displayed once gain.

7.5 Advanced Operations

By pressing the (✶) key, the screen shows:

```
        MENU
BYPASS ZONES
BYPASS W/LESS ZONES
MASTER OR TECH MENU
WIRED ZONE CONDITION
WLESS ZONE CONDITION
LAST ALARMS
ALL EVENTS
MANUAL OUTPUTS CHECK
```

Using the up and down keys (keys 2 and 8), we can move the cursor upwards or downwards. By using the (✶) key the user can achieve the required selection. By using (#), the user can go one level backwards or cancel a selection.

Selecting **"BYPASS ZONES"** we see:

```
_____ BYPASS ZONES _____
        04        07



_____
   CHOOSE FROM 01-24
BYPASS: --
```

The user can select which zones are disabled (will not be armed) during the next arming of the system. For example, if we enter 04 and then immediately 07, this means that the next time the system is armed, zones 4 and 7 will be disabled. If a zone blinks, this means that it is preventing the system from arming. If it is blackened then this means that it is disabled. If it is blinking and blackened then this means that it is disabled but would prevent the panel from arming if it was not disabled.

Selecting **"BYPASS W/LESS ZONES"** we see:

```
_____ BYPASS ZONES _____
        29        31
_____

BYPASS: -- (25-56)
```

The same applies for wireless zones. The only difference is that the zone numbers are 25 - 56 (wireless zones).

Selecting **"WIRED ZONE CONDITION"**:

```
WIRED ZONE CONDITION




    ALL ZONES OK
```

In the following window we can test the good operation of the zones and the devices connected to them. For examples, if a magnetic contact of a window is connected to zone 4 and the window opens then the message of the display from "ALL ZONES OK" will be erased and the indication 04 will start blinking. As soon as the window closes, the

screen will display the previous message "ALL ZONES OK". With this method we can test the good operation of all the detectors and magnetic contacts.

The same applies to "WLESS ZONE CONDITION", except the fact that the menu is dedicated to wireless zones.

By pressing **"LAST ALARMS"**, the user can examine the alarms that were triggered during the last arming of the system. The display will be like the one below:

```
        TAMPER
     /!\ ZONE 08


   ZONE 8
   07/03/12  12:20
001/003
```
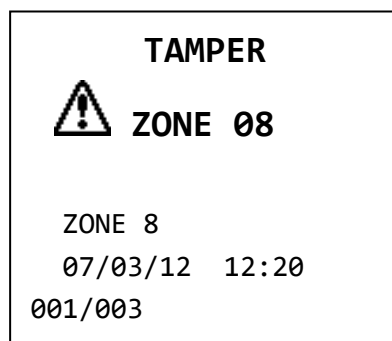
This means that an alarm was triggered for zone 8 which is a TAMPER zone (24 hour operation). The alarm was issued on 12:20 on 07 March 2012 and that is the first of 3 events.

Using the up and down arrows (keys 2 and 8) the user can examine all the registered alarm events.

The "LAST ALARMS" line is visible if an alarm has been triggered at least once.

By selecting **"ALL EVENTS"** the user can see all events that have happened and are stored in the panel's internal memory:

```
  /!\    ERROR
         ZONE 01


   ZONE 1
   07/03/12  12:20
070/070
```
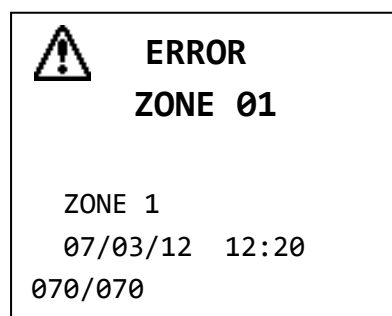
This means that an error event was triggered for Zone1 at 12:20 on March 07, 2012. It also informs us this is the 70th event of a total of 70 events. With the up and down arrow keys (2 and 8), the user can see all the registered events.

The event memory has a capacity of 250 events and once filled, the new event will erase the oldest. The events that are registered are errors, alarms, user and technician menu accesses, as well as the arming and disarming of the system. The main user and the technician can both erase the events memory using the respective menus.

Option **"MANUAL OUTPUTS CHECK"**:

```
 MANUAL OUTPUTS CHECK
 _
CHANGE OUTPUT
OUTPUTS STATUS
```
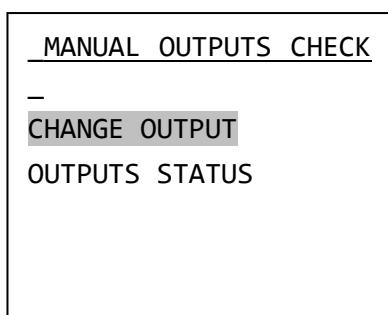
With keys "▲2" and "▼8" the user can select the required option and by pressing " *↵ " he can see or can change the state of the outputs P1, P2, P3, RELAY.

/!\ **CAUTION:** In order for an output to be able to change state from this selection, the outputs must be programmed as "ON-OFF MANUAL". When an output changes state, the device connected to it, is activated. A manual change of the output sets the output to a permanent condition which can only change by manually changing the output again. It is suggested to use this selection with caution and only if we want to manually control a connected device.

By choosing **"INFORMATION"** in the menu the user sees:

```
_____INFOMATION_____
KEYBOARD SOFT VERS.
PANEL SOFT VERSION
TECHNICIAN INFO
SIGNAL LEVEL
```
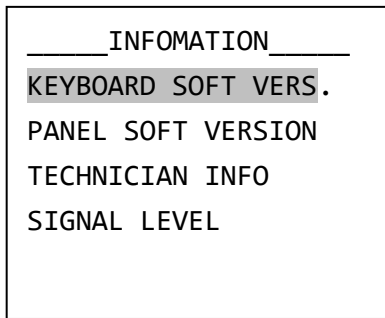
With "▲2" and "▼8" keys we be can transferred to the required option and select it by pressing the " *↵ " key. We can get information about the keyboard firmware version, the panel firmware version, information regarding the technician supporting the system and the signal level (If a GSM card is connected).

The selection "TECHNICIAN INFO" by default has information of Olympia electronics.

```
  NO GSM CONNECTED




PRESS '#' TO RETURN
```
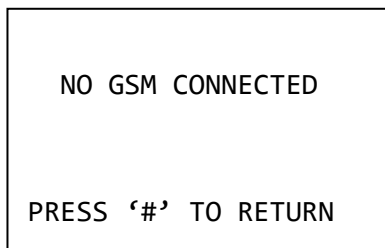
If "SIGNAL LEVEL" is selected and a GSM module is not connected, then the following message is shown.

7.6 Wireless Zones Events

- Wireless zones can produce some extra events than wired zones. The common event with wired devices is the tamper event, which when open, it will trigger an alarm, unless the user is inside "TECHNICIAN MENU". Also, if there is motion detection on a motion sensor, it will trigger an alarm event only if the system is armed. While the system is disarmed, an information on the "WIRELESS SENSORS" menu screen is depicted.

- If a wireless device does not communicate with the panel for a long time (2 hours), in a disarmed system, it is recorded as an error in the events log. If the same error occurs in an armed system, an alarm will be triggered.

- If the battery level on a wireless device is low for 12 hours, a low battery fault is generated. After battery replacement, the fault will be reset in a maximum of 6 minutes time.

- If a user gets out of technician menu and there is tamper alarm active in a wireless device, the siren will not sound for the specific zone. However the "Tamper Alarm" event will exist on the keypad screen.

8. BS-468/A REMOTE CONTROL

8.1 General

The wireless alarm kit you have purchased, has 2 remote controls **pre-installed** for remote operation of basic functions. No additional settings are needed to

synchronize the remote controls. You can simply select the key functions from "TECHNICIAN MENU" → "SETTINGS" → "REMOTECONTROL ACTION". Extra care should be taken care in case of accidentally pressing the panic button from the remote control. In that case the siren will sound. If you do not need this feature, then it is recommended to select "ARM DISARM ONLY". In case you want to add additional remote controls or delete existing ones, the necessary steps are described below.

➢ **DESCRIPTION**
- **RF-467** (Photo 1) is a remote control transmitter with four keys. In BS-468/A it performs the following functions:
A. System arming
B. System disarming
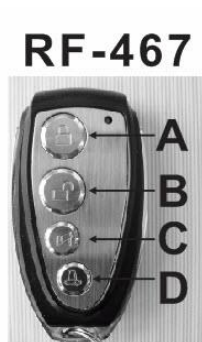C. Silent alarm
D. Panic alarm

Photo 1. RF-467 wireless receiver
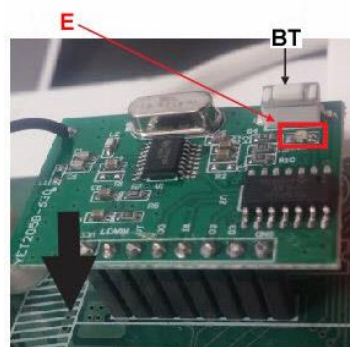
Photo 2. BS-468/A panel Top View

Photo 3. YET-250B-630

- **YET-205B-630** (Photo 3) is a wireless **receiver** for BS-468/A. It uses scroll codes and has the ability to learn codes from the **RF-467** remote control **transmitter**. It can store codes from **up to 6 transmitters**.

8.2 Installation
Installation or maintenance should only be carried out by qualified personnel after interruption of the mains and battery supply.

1. Unscrew the front retaining screws and remove the top lid (Photo 2).
2. Install YET-205B-630 as shown in Photo 3.
3. Put the top lid and screw the 3 screws.

8.3 Codes registration procedure on rf-467
Press the **"BT"** key on the **YET-205B-630** and keep it pressed. Once the blue LED **"E"** is ON, release the button.

Then press and keep down button **"A"** of the RF-467 transmitter and see the blue LED **"E"** of the YET205B-630 illuminate as long as the key is pressed, indicating that the receiver is ready to accept this button. Release the button, then press it again and keep it down. The blue LED **"E"** blinks a few times and then goes off. The process has been completed and the codes of all four keys of the RF-467 have been stored. There is no need to repeat the process for the other three keys of the RF-467. This procedure must be followed for each remote control.

⚠ **CAUTION!!!** If someone attempts to store the codes from the seventh transmitter, they will be saved successfully, but the oldest of the stored codes will be deleted.

8.4 Codes deletion procedure on rf-467

Press the YET-205B-630 **"BT"** key continuously and note that the LED **"E"** remains on. Do not stop pressing the key and after about 5 seconds, the blue LED **"E"** goes out, indicating that the codes are now erased.

⚠ **Note:** The deletion process deletes all registered remote controls.

9. SYSTEM'S APP

9.1 Program for PC PC-468/A

You can download the application visiting the site of Olympia Electronics www.olympia-electronics.gr . There you will find the full manual in the "Help" menu of the program.

https://support.olympia-electronics.gr/olympia_pub/software/PC-468_A.zip

9.2 Mobile app i-olympia (Android & iOS)

For Android you can download the app visiting the site of Olympia Electronics. https://support.olympia-electronics.gr/olympia_pub/i-Olympia.apk

For iOS download it from App Store using the key word "olympia electronics alarm". Selecting the menu "app's help" you will find the full manual of the product. Otherwise you can scan the QR-codes below.

| Android | iOS |

10. COMMON FAULT INDICATIONS

Fault	Cause and Solution
"PANEL, OVERCHARGE"	Problem with the panel's battery. Contact your technician.
"PANEL, UNDERCHARGE"	Problem with the panel's battery. Contact your technician.
"PANEL, DISCONNECTED BATTERY"	Check the battery cable connections. If the problem persists, contact your technician.
"PANEL, NO AC"	Check the power supply connections of the panel. Check the mains supply for proper voltage. If the problem persists, contact your technician.
"PANEL, DATE-TIME NOT SET"	The panel's time/date is not set. Set the time from the keypad's menu or the PC software.
"EXTENSION, NO CONNECTED UNIT"	There was an extension card installed and it has now been removed or is not working. Check the card's connection with the panel. If the error does not disappear in a few minutes, contact your technician.
"EXTENSION, NO CONNECTED UNIT"	A new extension has been connected and is not registered. Select the "SYSTEM, SCAN EXTENSIONS" menu from the technician menu.
"ZONE xx, DEVICE COMM TIMEOUT"	An installed wireless device on zone xx is no longer communicating with the panel. Check the battery of the device. Ensure that the device is within the range of the panel. If the problem persists, contact your technician.
"ZONE xx, RF SLAVE LOW BATTERY"	The battery level of the wireless device belonging to zone xx is low. Replace the device's battery.
"ZONE xx, RF SLAVE POOR SIGNAL"	The signal level of the wireless device belonging to zone xx is low. Change the device position and get it closer to the panel.

11. 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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