



BS-489 Auto Dialer



TECHNICAL SPECIFICATION	
Operating Voltage	10 - 30 V DC
Consumption	Idle 10mA (24V) or 25mA (12V), Active 25mA (24V) or 70mA (12V)
Inputs	2 alarm inputs and 2 messages, built-in microphone and earphone
Outputs	tone or pulse call and transmission of messages through phone line
User interface	1 Display and 4 programming keys
Degrees of cover protection	IP 20
Produced in accordance with	TBR-21, EN61000-3-2, EN 61000-3-3
Operation temperature range	0 to 60° C
Humidity	Up to 95% Relative Humidity
Constructional materials	Polycarbonate
Dimensions (L x W x H)	105 x 65 x 28 mm
Weight	160 gr.
Guarantee	2 years

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GENERAL

Auto dialer BS-489 is a device that transmits the stored messages over the phone line when it is properly triggered.

On the front panel there is a user-friendly control panel with 4 keys and a display.

It is combined with all alarm panels (eg BS-417, BS-418) and with fire alarm panels (eg BS-632,BS-634,BS-636,BS-116) made by Olympia Electronics. It is also compatible with similar products on the market. It can be used with two different panels at the same time, and transmits two different messages, one for each panel. It has a memory for ten phone numbers of twenty digits each and it is locked with a four digit access code.

The device has a built-in microphone for recording messages, and an earphone is included in the package, for listening the messages.

All phone numbers, settings, and messages are recorded in the memory and are not lost in case of a power failure, and can be changed by the user when needed.

It is used to immediately call the police, the fire department, the owners etc, in case of emergency

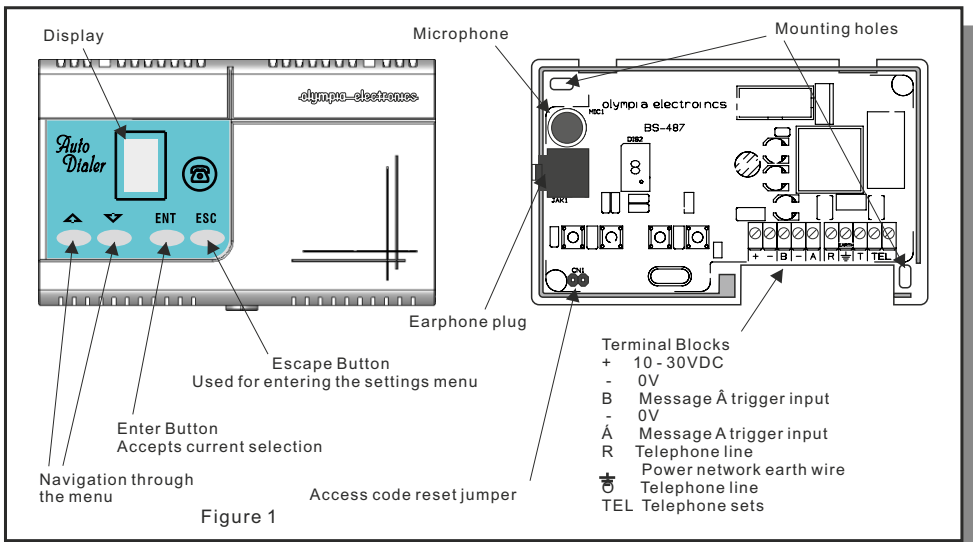
When triggered, the auto-dialer dials the phone numbers stored in its memory, in priority (0-9) as stored by the user. The device skips the blank memory positions.

MOUNTING

The bottom cover can be removed by unscrewing the retaining screw at the bottom side of the device. For wall mounting the mounting holes on the two corners of the device (shown on figure 1) can be used. The appropriate mounting screws for wall mounting, are included.

CONNECTIONS

At the bottom right side of the device there are the terminal blocks



(figure 2). From right to left these are:

Two terminal blocks (+ and -) used for powering the device.

Then there are the terminal blocks B, - and A that are used to trigger the dialer and are connected to the alarm or fire panel. If the dialer is triggered from input A, then message A will be transmitted, and if triggered from input B, message B will be transmitted. By default in these terminal blocks there are two jumper wires. In case one of the two inputs is not used, then the appropriate jumper wire must be left as default.

On the next three terminal blocks the phone line is connected. On the R and T the phone line must be connected, and in the terminal with the sign ⚡ the power network's earth wire must be connected. When the available phone line is ISDN, then the dialer is not connected directly to the phone line, but through the appropriate ISDN modem, and on the modem's RJ11 output, and not on the RJ45 output. If there is a phone connected on the first RJ11 output, then the other RJ11 output of the modem may be used.

On the last two terminal blocks,

labeled TEL the rest of the telephone sets are connected. When the dialer is idle then these telephone sets are operating normally. In case of an alarm the telephone sets are disabled and the dialer takes control of the telephone line.

OPERATION - PROGRAMMING

When powered, the device is in idle state, and this is indicated with a blinking dash:

In order to set up the device, we have to enter the valid access code.

Entering the access code. When key **ESC** is pressed, the dialer shows on the display. The preset access code is

By pressing key display shows . By pressing **ENT** we accept the selection. The display then shows again. By repeating the sequence of and **ENT** to enter all the digits of the access code. Then the display shows and we have entered the main programming menu.

The dialer exits from the main menu automatically, and returns in idle state, if no key is pressed for about 2 minutes. If an alarm input is triggered

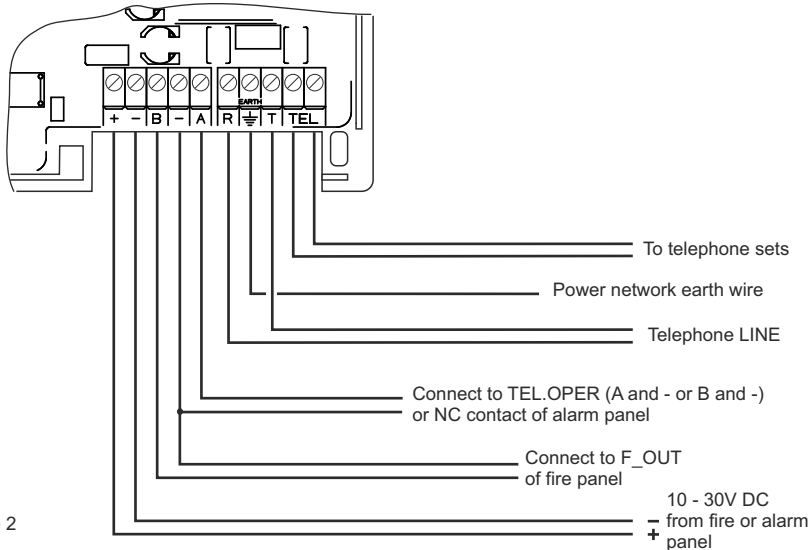


Figure 2

then the device dials the numbers normally.

The full structure and the menu operations are:

P Entering phone numbers.

In this menu we can save up to 10 different numbers with 20 digits each. With **ENT** we select **P**. Then we priority of the number from **0** to **9**, with maximum priority being **0**.

We select the number with **▲▼** and we save our selection with **ENT**.

After the priority selection, we can enter its digits one by one. We select the number with **▲▼** and with **ENT** we save our selection. After entering the last digit we select **-** symbol and press **ENT** to save the phone number. Then the number is saved and the device returns in the priority selection menu, at priority **0**.

There are also some special symbols as **u** which stands for pause 0.8 seconds, **A** that stands for asterisk (*) and **B** that stands for sharp (#).

If we want to delete an existing phone number, we select its priority

and we replace the first digit with **-** and press **ENT**.

C Displaying saved phone numbers.

We can check which number is saved in each memory position. We select **C** from the menu and press **ENT**. With keys **▲▼** we select the number's priority and we accept with **ENT**. Then the display starts displaying one-by-one all the digits of the number. If memory position is blank the display shows **-**. Then the device returns in the priority selection menu, at position **0**.

E Dialling check

In this menu we can dial any of the numbers, in order to check the normal connection of the device. To do this we select **E** and press **ENT**. With keys **▲▼** we select the number we want, and press **ENT** to accept. The device dials the phone number and transmits the recorded messages once.

R Recording and listening messages.

We can Record up to two different messages. We select **R** and press **ENT**. With keys **▲▼** and **ENT** we can select **1** to listen message A, or **2** to listen

message B.

In order to record a new message, we select **A** or **B** respectively and press

ENT. After a message is successfully recorded, the message is replayed once. In order to listen to the messages, we must use the earphone included with the package, that is connected as shown in figure 1.

L Tone or Pulse dialling selection

In this menu we can select the preferred dialling method. When **P** is selected the device is set to pulse dialling, and when **D** is selected the device is set to tone dialling. By default this is set to Tone Dialling. Select pulse dialling only if tone dialling is not supported by your phone line or the line is ISDN type.

A Alarm operation setting

Selecting **A** and **ENT** we can configure the settings referred to the operation of the device when triggered from input A or B.

If we select **G** and **ENT** then all the stored numbers will be dialled sequentially for as many times as the pre-adjusted (2,3,4 etc). In the end of the alarm the device starts dialling the stored numbers for one time.

If we select **U** and **ENT** then in alarm condition and after the end of it , the device starts dialling the stored numbers for one time. If the alarm continues then the device is contiguously dialling all the stored numbers.

If we select **F** and **ENT** , then the device is dialling the stored numbers for one time only, even when the alarm condition continues.

The factory default setting for dialler is set to **U** .

E Re-Dial Setting

We can set how many times every number will be dialled. This can be done by selecting **E** and **ENT** , and then

with **▲▼** from **1** to **9** and **ENT** . The factory default setting is **1** .

F Message re-play setting

We can set how many times a message will be played in each call. This can be done by selecting **F** and **ENT** , and then with **▲▼**

From **2** to **9** and **ENT** . The factory default setting is **2** .

E Setting the access code

We can change the 4 digit access code from the factory default **0000** , and set the preferred one. From the main menu we select **E** and **ENT**. Then with **▲▼** and **ENT** we set each digit of the new access code.

H Exiting the main menu

By selecting **H** and **ENT** the device exits the main menu and gets in idle mode.

Resetting access code

If we want to set the access code back to factory setting(**0000**) we have to remove the power from the dialer, and then place the jumper on pins Cn1 (image 1) located at the bottom left part of the printed circuit board, and connect the device back to power. The display will show **C** and after a while it will turn off. Then the dialer will go back to idle state with the default access code. Then we can remove the jumper.

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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