

BSR-2143

Programming and inspection unit
for addressable devices



TECHNICAL CHARACTERISTICS

POWER	2x9V alkaline batteries
QUIESCENT CONSUMPTION	4 mA
MAXIMUM CONSUMPTION	60 mA
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 61000-6-1 EN 61000-6-3
OPERATION TEMPERATURE RANGE	-10 to 60 °C
RELATIVE HUMIDITY	Up to 95%
EXTERNAL DIMENSIONS	228 x 118 x 64 mm
TYPICAL WEIGHT(with batteries)	450gr.
GUARANTEE	2 years

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Olympia Electronics - European manufacturer



Figure 1

GENERAL

The BSR-2143 unit is used to inspect and program the addressable devices of Olympia Electronics.

The devices that can be programmed using the BSR-2143 are:

- BSR-6055/A** Addressable smoke detector.
- BSR-6060/A** Addressable temperature detector.

The device operates with batteries and can be switched OFF in order to preserve the batteries when not in use.

The adjacent figure shows the device switched OFF. The device under inspection is placed on the base of the unit located on the top side taking care to align the side lines with the side lines of the detector. Rotate the detector clockwise in order to secure it to the tester.

The **ON/OFF** switch is found in the center of the base and is blue in color.

In the center of the tester is the keyboard and the LCD screen.

The keyboard consists of the keys :

- 0 to 9 : which are used to enter numbers. Also the keys 2 and 8 are used to navigate between the menus
- Enter : Is used to enter a menu or to verify a selection.
- ESC : Is used to exit from a menu or to cancel a selection.

- LED : Is used to change the state of the indication LED of the device under test.

- REMOTE : Is used to change the state of the



external LED/ remote led of the device under test.

Operation of the tester

To activate the device, use the **ON/OFF** switch. When the device is turned ON the screen is lit and the main menu is shown.

Install the detector under test on the testers base as shown in figure 2.

To highlight a different option use the keys «2» and «8» and to select it press «Enter»

The options available are the following :

- **CHANGE ADDRESS** (Figure 3). Using this selection we can change the address of the detector under test.

In the area with the label OLD we can see the current address of the detector.

Now we can enter the new address using the keys «0» to «9».

For example, if we want the address 10 then we must enter 0-1-0.

- **COMMUNICATION** (Figure 4). Used to test the communication with the detector under test.

This option contains the address of the detector under test, its type, flag and value. If the value is above 100 then the detector has issued an alarm.

Finally there are counters that are used to show the good or bad communication between the tester and the detector under test.

With the «Enter» key we can reset the counters. Keep in mind that a detector is considered to have good communication if it has at least 1000 good packets and 0 error packets.



Figure 3



Figure 4



Figure 5

-**BSR-6055** (Figure 5). Communication test and settings with the detectors BSR-6055.



Figure 6

-**BATTERY VOLTAGE** (Figure 6).

Shows the battery voltage. If the voltage is below 13V it must be replaced.



Figure 7

-**SELECT LANGUAGE** (Figure 7). Select the language of the device (GREEK - ENGLISH).

Use this to change the language of the menus.

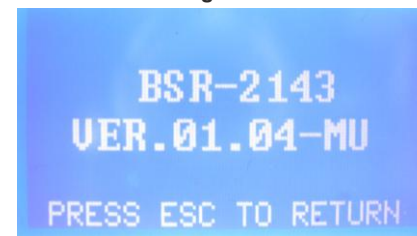


Figure 8

-**KEYBOARD SOFT VERS** (Figure 8). BSR-2143 firmware version.

Shows the firmware version of the BSR-2143

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.

HEAD OFFICE

72nd km. O.N.R. Thessaloniki-Katerini
P.C. 60300 P.O. Box 06 Eginio Pierias Greece
www.olympia-electronics.gr
info@olympia-electronics.gr