ARGUS SECURITY

SGSK100

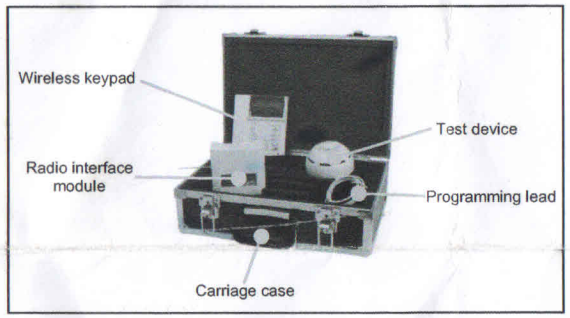
RADIO SURVEY KIT

CE

GENERAL DESCRIPTION

The purpose of the Radio Survey Kit is to determine the quality of the radio signal coming directly form a **VW2W100** wire to wireless translator or relayed through a **SGWE100** wireless expander in a specific spot in the installation site where a wireless device is going to be installed. The **SGSK100** is composed of the following elements:

1. A carrying case.
2. A pair of carrying case's keys.
3. A test device.
4. A test device's adaptor base.
5. A battery for the test device: CR123A (3 V & 1.2 Ah).
6. A holding pole for the test device.
7. A radio interface module.
8. A power supply transformer unit for the radio interface.
9. A wireless keypad.
10. An ER9V battery for the wireless keypad (9 V & 1.2 Ah).
11. A programming lead for wireless keypad and radio interface connection.
12. A compact disk containing the wireless system configuration program (Wirelex) for the PC.



Picture 1 - General overview of the SGSK100

WARNINGS AND LIMITATIONS

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation.

Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions.

Refer to and follow national codes of practice and other internationally recognized fire engineering standards.

Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

WARRANTY

All devices are supplied with the benefit of a limited 3 year warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product.
This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage.

Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.

Full details on our warranty and product's returns policy can be obtained upon request.

NORMATIVE COMPLIANCES

This product complies to:

EN 54-25

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CONDUCTING A RADIO SURVEY USING THE RADIO SURVEY KIT

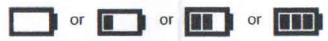
1. Power on the radio interface module by connecting to it either:
   a. the power supply transformer or
   b. two 12 V batteries (2.1 Ah or 3.2 Ah) in series.

2. Power on the test device by inserting the CR123A battery in to the primary battery compartment. This is reached by removing the battery cover on the underside of the test device. Once inserted, replace the cover, then place the test device on the supplied adaptor base in order to avert tamper faults.

3. Power on the wireless keypad: connect the 9 Vdc battery; this is carried out by removing the small panel on the left of the keypad; replace the cover on completion; finally, press the red power-on button on the front upper left side of the device.

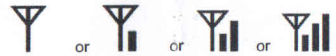
The screen should now power on with the following indications:

"Battery level" symbol (left side and top of the screen); it indicates the battery level of the wireless keypad:



"Open padlock" symbol (center and top of the screen); indicates that the fire security system is not armed:

"Radio antenna" symbol (right side and top of the screen); wireless link quality with the radio interface module *but not with the test device*:



4. Press **OK** – this should now bring up the base menu.

5. Select **MENU**.

6. Scroll down to **RF LINK QUALITY** (using the "up/down" arrows). Press **SELECT**.

7. Highlight **RSSI LEVELS** (using the "up/down" arrows). Press **SELECT**.

The following should now appear: - **+ WEx 0**

8. Press **SHOW**.

9. Highlight **DEVICES** (using the "up/down" arrows). Press **SHOW**.

10. Highlight **0.1 AURORA-R** (using the "up/down" arrows). Press **GRAPH**.

Using the test device mounted on to the included pole (this will minimize body mass interference), a radio survey can now be conducted. The graph will give a visual indication of the signal level achieved by the test device. This level can be recorded on to site drawing for future auditing.
When taking readings, all values should be at Level 3 or higher. If any readings fall outside these levels, consideration should be given to the repositioning of the **VW2W100** translator module or the **SGWE100** wireless expander module or the supply of an additional **SGWE100** to bring the signal strength to an acceptable level.

11. On completion press **C** until back at base menu.

12. Power down the wireless keypad by pressing the red power-on button on the front upper left side; remove its battery.
Power down the test device by removing the CR123A battery.
Disconnect the power supply transformer or the batteries from the radio interface module, returning all components to the **SGSK100**'s carriage case.