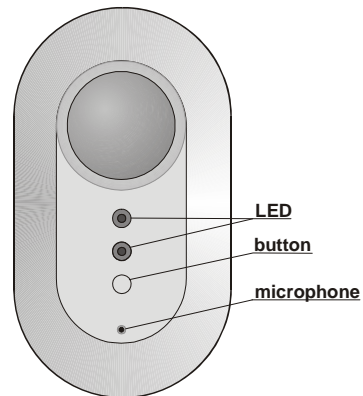# The SP-02 speaker phone

The SP-02 half-duplex speaker phone allows a caller (user, a central monitoring station operator etc) to talk and listen-in to the monitored premises. It should be connected to a communicator equipped with a simulated telephone line (e.g. JA-80Y) or to an analog phone line.

Since the SP-02 only automatically answers phone calls from up to 8 authorized phone numbers, the phone line must support caller identification (CLIP) (from unauthorized phone numbers it is possible to answer the call manually by pressing a button on the SP-02. Programming can be locked by a 4-digit user code.

LED

button

microphone

1. Installation

Connect the SP-02 to the phone line and insert its batteries (2x 1.5V AA). If the batteries do not have too low a voltage, the SP-02 is ready for operation which is indicated by the green indicator flashing. If the red indicator flashes, then the batteries are discharged and it is necessary to replace them (only use quality alkaline batteries).
Before first usage, the SP-02 must be set up as follows:

• From any phone, make a call to the SP-02's phone number. As soon as the red indicator starts flashing press the button to answer the call.

• On your phone press the * key to enter the setting mode and make settings according to the table below.
   NOTE: the * key is also accepted as a valid symbol in the setting sequence.

• Terminate the call

Sequence	Function
✻✻	To store a current caller's phone number to position number 1
✻Dxxxxxxxx✻	Phone number memorization (7 to 22 digits), D is the phone number memory reference (1-8) The SP-02 automatically answers calls from memorized phone numbers
✻D✻	To erase a phone number in memory D
✻9xxxx✻	Setting the user code and locking the SP-02 – first set at least one phone number !
#xxxx	Unlocking the SP-02

Setting table

Note:
Correct setting and storing of the sequence is confirmed by 1 beep. If the setting was not done correctly the SP-02 makes 4 beeps, and if there is a fault (e.g. due to a low battery) 10 beeps sound.
When the user code has been set, the SP-02 is automatically locked. To enter setting mode again the SP-02 must be unlocked first.
If locked, the calls from unauthorized phone numbers cannot be answered by pressing the button on the SP-02.
Warning: If the SP-02 is locked and no phone number has been memorized then further communication is impossible. In such a case, a reset of the SP-02 must be performed.

2. Calling

By brief pressing of the button, the SP-02 will make an emergency phone call to the phone number stored on the first position. After confirmation by a long beep the functions are the same as in case of an incoming phone call (see below).

The intercom automatically accepts incoming phone calls from up to 8 authorized (preset) phone numbers (see the setting table). Successful establishment of communication is confirmed to the caller by a long beep. The Green LED is then lit on the SP-02 indicating that the microphone is switched on (listening in to the premises). The SP-02 signals an incoming phone call from an unauthorized phone number by a flashing red LED. If the SP-02 is not locked, it is possible to answer the call by briefly pressing its button.

The caller's phone keypad is used for controlling communication:

Key/sequence	Function	Signals
1	Switch over- microphone / speaker	Red / Green LED
2	Switch on speaker and switch off microphone – listening mode	Green LED
5	Switch on speaker and switch off microphone – speaking mode	Red LED
0	Terminate the call	Green LED flashes
#xxxx	Unlock the SP-02 (xxxx is a valid user code)	Beep

Note:

If the SP-02 is not locked, briefly pressing its button has the same function as key 1 on the phone. So it is also possible to change the direction (listening/speaking) of communication from the premises end.

Only the caller can terminate the call by pressing key 0 or by hanging up the phone. The call is also terminated automatically 5 minutes after the last operation (pressing a key).

During testing it is recommend to keep a distance between the SP-02 and the phone, otherwise an unpleasant echo can be heard.

Pressing the 3,4,6,7,8 or 9 key will result in communication being muted Communication can be restored by pressing any function key (1,2,5).

3. Reset

A reset can be performed by pressing and holding the button on the SP-02 while inserting the batteries (hold the button until the red indicator stops flashing). All phone numbers will be erased and factory default settings will be restored.

4. Specification

Power supply   *2x alkaline batteries AA 1.5V*
Communication standard   *ETSI EN 300 089 V3.1.1 (2000-12)*

CE Jablotron Ltd. hereby declares that the SP-02 is in compliance with the essential requirements and other relevant provisions of Directive 89/336/EC.

The original of the conformity assessment can be found on the web site www.jablotron.com, Technical Support section.

Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the manufacturer after usage.