EDP1

Eltek Detector Programmer v.1

Pt. no. 251454

User's manual

Rev 1.3f

Eltek
Fire & Safety

List of Contents Page

1 General remarks

The Eltek Detector Programmer v.1 (EDP1) is a compact microprocessor-controlled unit to assign a short address to Esser detectors or transponders.

The unit consists of only 3 buttons for easy use. The detectors short address is displayed on a 3-digit-LCD.

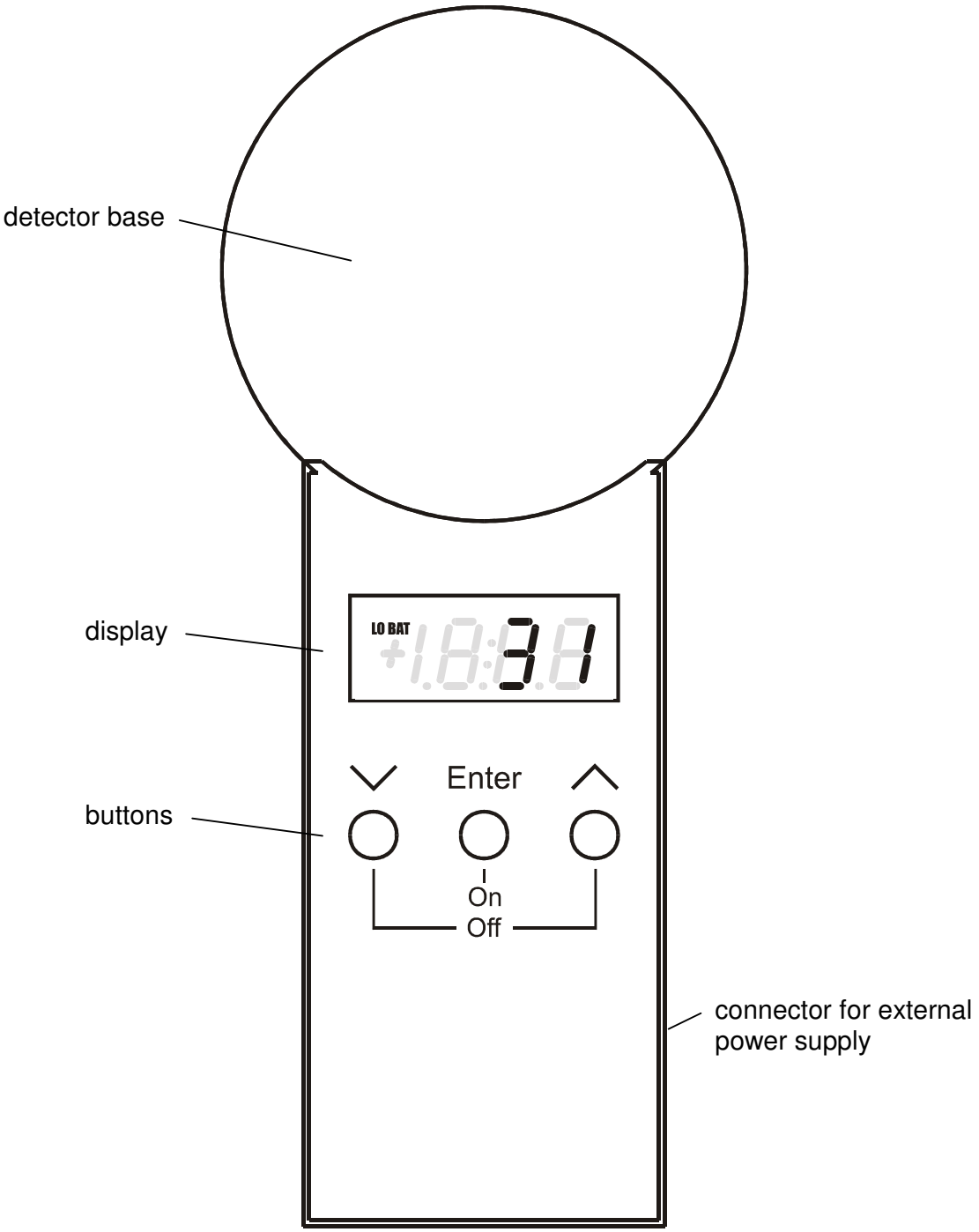
The unit is battery driven. It is prepared for external power supply also.

2 Operating instructions

Complete operation of the EDP1 is performed through the 3 keys.

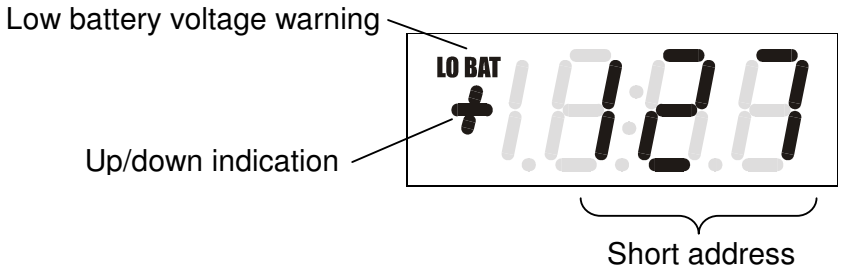
Characteristic features

- 3 ½ -digit 7-segment LCD display
- 3 keys
- battery charging control
- automatic switch off



2.1 Display

The LCD has 3 display areas. They show the current status of the unit.



The meaning of that areas is described below.

2.2 Getting started

To use the device it must be first connected to a power supply. Insert a 9V battery and connect it to the power supply connector. Alternatively an external power supply can be connected to the socket on the right side of the box.

The unit is switched on by simply pressing button “Enter” on the top of the device. The display shows now the selected short address. It starts always with short address 1. The button “Enter” should be pressed until the short address appears on the display.

2.3 Connecting the EDP 1

Detectors is to be installed on to the onboard detector socket.
Manual call points and transponders must be connected to the EDP 1 by leads from “+” and “-“ in the detector socket.
Please be aware that only one unit is to be connected / programmed at a time.
Please note that the programmer will be defective if it is connected to central’s addressable loop.

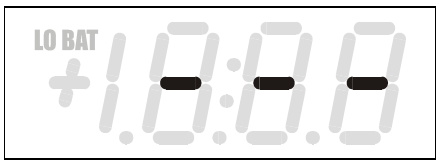
2.4 Change Short Address

To increase the short address button “∧” must be pressed. While the button is pressed, the “+” sign appears on the display.
Continuing increase of short address is reached by holding down the key. Increasing stops at the upper limit of 127.

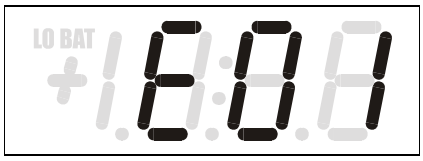
To decrease the short address button “∨” must be pressed. While the button is pressed the “-” sign appears on the display.
Continuing decrease of short address is reached by holding down the key. Decreasing stops at the lower limit of 1.

2.5 Store short address into the device

By pressing button “Enter” the displayed short address is stored into the device.
During transmission of the short address into the device the 3 running hyphens indicate operation in progress.



After end of transmission the next higher short address is automatically displayed at the LCD. If the short address was 127 it is not increased.
If an error occurs during transmission of the short address the error will be displayed on the LCD. The error number indicates the corresponding failure since it could be decided. If the error could not be assigned in detail error number one (general error) is issued.



2.6 Read out short address of the device

The stored short address can also be read out of the device. Therefore the address unit must be switched to the read out mode. That is done by pressing button “∨” and, while holding the button pressed, pressing button “Enter”. The read out mode is indicated on the display as following:

While the address unit is in read out mode the stored short address can be read out of the device by pressing button “Enter”. After read out the stored short address is displayed on the LCD.

The read out mode is left in the same way as it is entered. The address unit switches to the normal operating mode.

2.7 Switch off the device

The device can be manually switched off by pressing button "∧" and "∨" at the same time. After detection of switch off request the LCD displays the following:

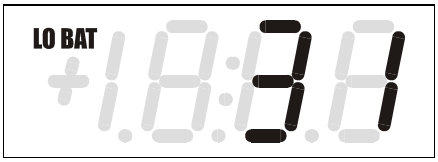
The device is switched off if the buttons are released.

To reduce unnecessary power consumption a power safe mode is implemented. The device enters the power safe mode after 4 minutes.
During power safe mode the display is switched off. Internally all parts not needed for operation are switched off to reduce power consumption.
The power safe mode is left by a key-press. The first key-press is used only for weak up from power safe mode. No further action take place. The short address is not altered.

! If the device stays longer than 1 hour in power safe mode it switches off itself automatically.

2.8 Low Battery Voltage

The battery voltage is checked periodically by the device. If the battery voltage goes below the lower limit the sign "**LO BAT**" appears on the display. The battery must be changed now. A few units can be programmed after low battery warning.



3 Appendix

List of Error codes after programming or read out of the short address

Error code	Description
E01	General Error
E02	Detector Error, Serial Number is 0 (zero)
E03	Communication Error, Parity
E04	Communication Error, Stopbit
E05	Communication Error, No response on verify read for address
E06	Communication Error, No device connected or device not ready
E07	Detector Error, Verified short address is not equal with the programmed one, the short address was not stored into the device
E11	Hardware Error, the output of the 19V voltage regulator is not correct
E12	Detector or Hardware Error, the line voltage is too low, maybe there is a short circuit in wiring or in the detector
E13	Detector or Hardware Error, the line voltage is too high
E14	Hardware Error, the microcontroller can not switch on the 19V voltage regulator
	If repetitive errors occur please replace battery with a new one.
Reset the unit	Turn unit off. Short circuit + (3) and – (4). Turn unit on. Press enter to program detector number while + and – is short circuited. Wait until gives error. Turn unit off. Remove short circuit. Reset is finished and unit is ready for use.

Eltek
Fire & Safety