ELES-01W Over Flow/ Flood Alarm

The ELES-01W Alarm is designed to alert people when a flood has occurred. It can do this either by sounding a loud alarm or, by using the relay output socket, can activate a pager, auto-dialler or existing nurse call system. The audible alarm has selectable volume switch with options for a silent, 75dB or 85dB alarm sound. It can be powered by mains supply or batteries and will give a low battery alert when the voltage drops below the required level. This is indicated by a red flashing LED and a double 'bip' every 20 seconds. If using mains supply, the batteries will act as a back-up in case of a power failure.

Fig. 1

Status LED
Alarm LED

Installation

To use the system you need to first insert the batteries. To do this, slide the battery compartment cover away from the main case and, ensuring that the battery ribbon is below the first battery, insert all batteries. The ribbon must still be accessible when the batteries are in place; failure to do this will make it difficult to remove the batteries when they need replacing. Now replace the battery cover and connect the sensor lead into the sensor port. Once the sensor is connected, turn the monitor on and select a volume setting using the switch on the side of the case (Fig. 3). The monitor will 'bip' twice to indicate it is on. If you are using the mains adaptor, insert the cable into the power supply port. The green status LED should flash slowly.

Fig. 2

Relay   Senser

Sensitivity

Testing the equipment

Once the sensor is connected to the main unit and everything has the batteries in place, you are ready to test the equipment. The ELES-01W has an adjustable sensitivity level which is changed using the switch next to the sensor input (see Fig. 1). The most sensitive setting is nearest this input. Starting with the sensitivity at its lowest level, place your hand on the sensor, the sensor should pick up even the lowest levels of moisture on your hand and activate the alarm. If not, try wetting your palm a small amount and then place your hand on the sensor. Once the alarm is activated you will see that the red alarm LED flashes and, providing you have not selected a silent alarm, an audible tone will sound.
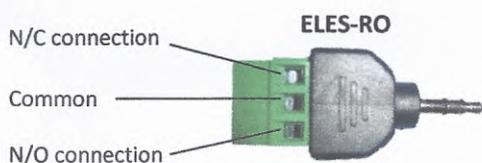

Fig. 3

Resetting the ELES-01

Once the alarm has been activated it will need to be manually reset. Given the nature of the alarm, this means that the sensor will need to be swapped, first turn the monitor off by moving the volume selection switch to the 'off' position. The monitor will 'bip' twice when turned back on to indicate that it is ready for use.

Relay Output

The ELES-01 can be used to trigger products such as radio pagers, auto-diallers or nurse call systems, to do this you will need the plug-in relay socket. The relay socket can activate either N/O or N/C outputs depending on the requirements of the user. It consists of a 3.5mm jack plug and three terminal ports.

Optional Accessories

ELES-RO

N/C connection
Common
N/O connection

MPP

MPP-TXU

The relay socket (**ELES-RO**) is needed to use the ELES-01 with any additional equipment and allows the monitor to produce either a N/O or N/C output, selected by choice of terminal pin.

The MPP pager and MPP-TXU transmitter can be used in conjunction with the relay socket to alert a carer or relative that an incontinence episode has occurred, within a range of 120M. For more information contact your supplier.

Additionally the relay socket can be used with an NCC lead to connect the ELES-01 into a nurse call system. Spare sensor mats are also available from your distributer (**ELES-01S**).