

neat

USER GUIDE



FALL
FALL ALARM

Contents

Important Information	1
Overview	2
Installation.....	4
Functionality	4
Configuration	5
Operation.....	5
Connecting FALL to Portable Receiver TREX.....	8
Connecting FALL to Home Care Phone NEO.....	8
Declaration of Conformity	9

Important Information



Always treat your product with care. Only NEAT Electronics authorized personnel should perform service.

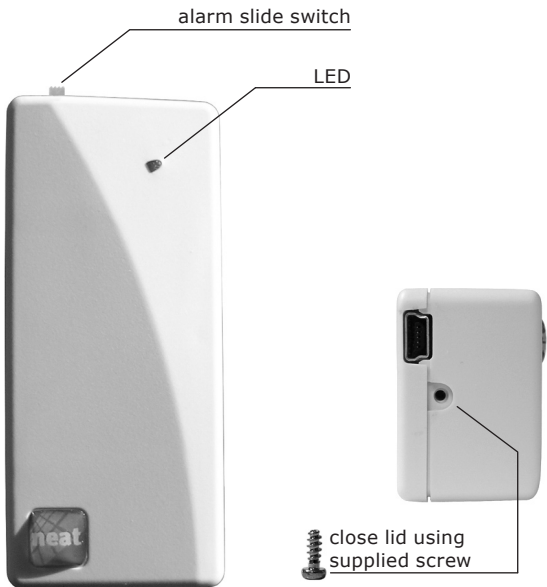


Do not expose your product to open flames, lit tobacco products or temperatures above 60°C.

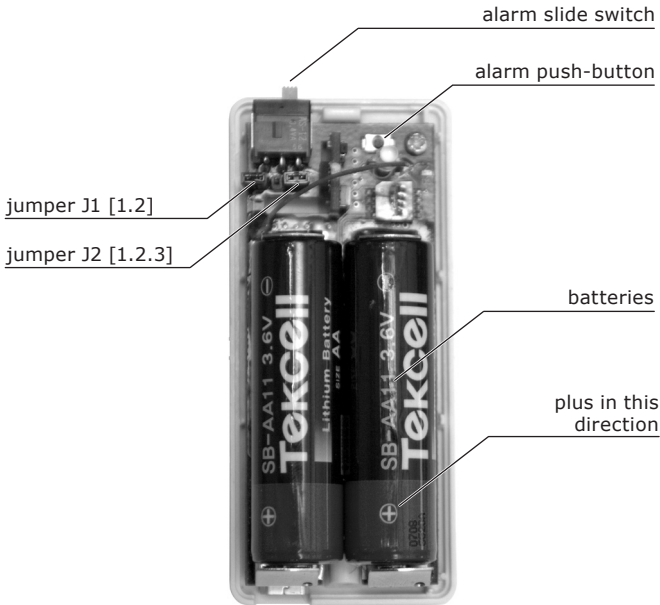


This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be returned to NEAT Electronics for recycling. The recycling of materials will prevent negative consequences for the environment, human health and help to conserve natural resources.

Overview



Overview



Installation

1. Open the cover and insert two Lithium 3.6 Volt batteries of size AA. Battery lifetime will only be guaranteed with batteries recommended by or purchased from NEAT Electronics.
2. Select the function of the slide switch with jumpers 1 and 2.
3. Connect the fall alarm to an alarm receiver as described on page 9 in this manual.
4. Close the cover and fit the screw as shown on page 5.

Functionality

FALL sends a radio alarm when the unit detects a fall.

When an alarm is transmitted, the LED on FALL lights up with a steady red light up to four seconds. If FALL receives an acknowledgement from an alarm receiver, the LED on FALL changes colour to green for two seconds and the built-in buzzer will sound.

NOTE! The unit will likely alarm for the most common pattern of clean falls in the forward plane.

It will not prevent falls and as any device it will not always detect all falls and it will sometimes alarm falsely. All and every same measurement has been taken in account in the development of the device but still it's not 100% fool proof.

Configuration

The slide switch can be configured as a manual alarm trig switch that will trigger an alarm when turned to the other position or it can be disabled.

Jumpers 1 and 2 selects the function.

- For manual alarm trig switch; set Jumper 1 on and Jumper 2 in position 2-3. This configuration is shown in the photo on page 5.
- To disable the manual alarm function, remove Jumper 1 and leave Jumper 2 in position 1-2.

Please note that the slide switch can not turn off the fall alarm. It works equally well in both positions.

Operation

Definitions

upright the torso of wearer is in a generally upright position, such as standing or sitting.

prone the torso of the wearer is in a horizontal position, such as lying on the floor. Lying on the stomach, back or sides are all considered to be the "prone" position.

fall an event in which a person experiences a large impact followed by the body ending up in a prone position.

What to expect with the FALL Detector

The FALL detector has been designed to sense potentially crippling falls while minimizing false triggers on everyday events. As such, it is important to know how the fall detector performs under certain circumstances.

How to wear the FALL detector

The FALL detector should be tightly situated on the body along the waistline. Be careful that the orientation of the detector is correct for the body placement. Ideally it should be worn horizontally on the front just under the belly button but is nearly as effective if worn slightly off centre. It should not be allowed to dangle.

What the FALL detector does

The FALL detector alarms when a serious fall is detected. The detector will alarm when the wearer is subjected to a large impact which results in the wearer ending up in a prone position. The detector will also generate an alarm if the wearer starts out in a prone position then experiences a large impact, such as falling out of a bed. The FALL detector must be worn tightly against the body in the correct orientation to effectively detect falls.

What the FALL detector does not do

The detector will not generally alarm if the impact of the fall is not enough to typically injure the person wearing it. It will not alarm if the wearer is not prone shortly after the impact has occurred. This means sitting hard on a chair (but still upright) will not generate an alarm. Bumping into a wall or table but remaining upright will not generate an alarm. Bouncing upright down the stairs will not generate an alarm. Falling down onto a couch, bed or otherwise harmless surface will not generate an alarm.

How to manually trig a fall alarm

The unit will not generally trig an alarm if thrown or dropped on the floor or a couch.

If the slide switch can not send a manual alarm or if you just want to test the normal operation do as follows:

- Hold the unit in the upright position, as it would be worn on the torso
- Let the unit swing down, while still holding it, and hit your up-lifted knee
- Keep the unit still on the knee for a second or two and the unit should trig an alarm.

Or slide the slide switch to the other position if it's configured as a manual alarm trig switch.

Connecting FALL to Portable Receiver TREX

To program a TREX to receive alarms from FALL, perform the following steps:

1. Choose *Programming* and then *Add transmitter* from the menu in the TREX.
2. Manually trig a fall alarm as described on page 7.
3. The LED on FALL lights up with a steady red light to indicate that the radio code is transmitted. The TREX beeps to indicate that a radio code is received.
4. Choose an alarm text, an alarm number and the equipment type door alarm in the TREX.

Connecting FALL to Home Care Phone NEO

To program alarms from DOOR into position 5 in NEO, perform the following steps:

1. Press and hold the grey button on NEO while switching NEO on.
2. Wait until five beeps are heard, then release the button.
3. Manually trig a fall alarm as described on page 7.
4. The LED on FALL lights up with a steady red light to indicate that the radio code is transmitted, then possibly turns green for two seconds. The home care phone sounds to indicate that the radio code from FALL is stored.

Declaration of Conformity

We NEAT Electronics AB, Varuvägen 2, 246 42 Löddeköpinge, declare under our sole responsibility that our product FALL, NE10 08004-01, is in conformity with the directives 1999/5/CE, 73/23/CE and 89/336/CEE.

Löddeköpinge, January 2009

A handwritten signature in black ink, appearing to read "Lars Nyström", with a long horizontal flourish extending to the right.

Lars Nyström
Managing director NEAT Electronics AB



www.neatelectronics.com

NEAT Electronics AB
Varuvägen 2
246 42 Löddeköpinge
SWEDEN