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**Innovative, Interoperable
Telecare Solutions**

Emfit Quick Reference Guide

we-cair.com

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Overview

The Cair Emfit is a Class 1 medical device intended to detect repetitive fine movement which is associated with tonic clonic seizures, when a person is in bed.

The kit includes the main controller, Cair transmitter, bed pad, power supply and mounting tools. The device should be connected to mains power at all times, whilst two non-rechargeable AA batteries provide power back-up.

By default, the Emfit is programmed to a time delay of 13 seconds, sensitivity level 3, external button enabled and volume 'very loud' for fault alerts. These can all be personalised if required using the dip switch and rotary dial inside the controller.



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Adjustable Settings

The time delay refers to the length of time that the user continuously shakes before an alarm is activated. The default setting is 13 seconds. This can be changed to 10, 16 or 20 seconds using the dip switch (section 6.1 of instruction manual). This setting should be adjusted if the user is experiencing false alarms.

The external orange switch can be used to turn the Emfit on and off. This is enabled as default. This can be disabled using the dip switch (section 6.3 of instruction manual).

The fault alert sound option is 'very loud' as default. This can be changed using the dip switch (section 6.4 of instruction manual).

The sensitivity is level 3 as default. This can be adjusted using the rotary dial (section 15 of instruction manual)



Set-up

Connect the power cable, Cair transmitter and the bed pad into the main unit. Turn on by holding down the small orange switch until a beep is heard and the blue LED flashes. To turn off, hold down the orange switch until a beep is heard.

The bed pad needs to be positioned under the mattress on a solid base. It should be positioned across the shoulder area. Check the LEDs to ensure presence is not yet detected; if it is, the sensitivity level needs to be adjusted.

To test, place weight on the bed for at least 60 seconds, until the blue and green LED flash in sync, then gently simulate back and forth movement on the pad for up to 20 seconds, until the device activates.

Once installed, the Emfit must be tested alongside existing care to ensure that it can meet the individual's specific needs.



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Signal Lights

Green - Presence

- Light flashes every second time compared to blue light = weight applied
- Light flashes the same speed as blue light = weight applied for 60 seconds and the device has activated
- Light flashes rapidly = fast-paced movement on the bed detected
- Light is off = no weight applied

Blue - Device On/Standby

- Light is off = device switched off
- Light flashes slowly = device switched on
- Light flashes rapidly a few times = device triggers a notification

Red - Malfunction

- Light flashes the same speed as blue light = device disconnected or defective
- Light is flashing every fourth time compared to blue light = batteries need replacing



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Registering to a Notifier / Other System

- Ensure the Emfit is switched on
- Prepare the Notifier / other system by entering registration mode
- Activate the Emfit by using a paperclip / suitable tool to activate the test button on the wireless transmitter
- The Notifier / other system should acknowledge the new device
- Once registered, an end-to-end system test should be performed, by activating the Emfit using the test method and ensuring the alert is generated on the receiving device



Thank you



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