USER GUIDE

For

EkoTek Call Fob

9261-8277 (Issue 2.0)

EkoTek Call Fob

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EkoTek Call Fob

Introduction

Your EkoTek Call Fob is a two-way alerting device, incorporating emergency calling and assist functions.

Function & Control Buttons

Operation of all functions is performed using 2 buttons:
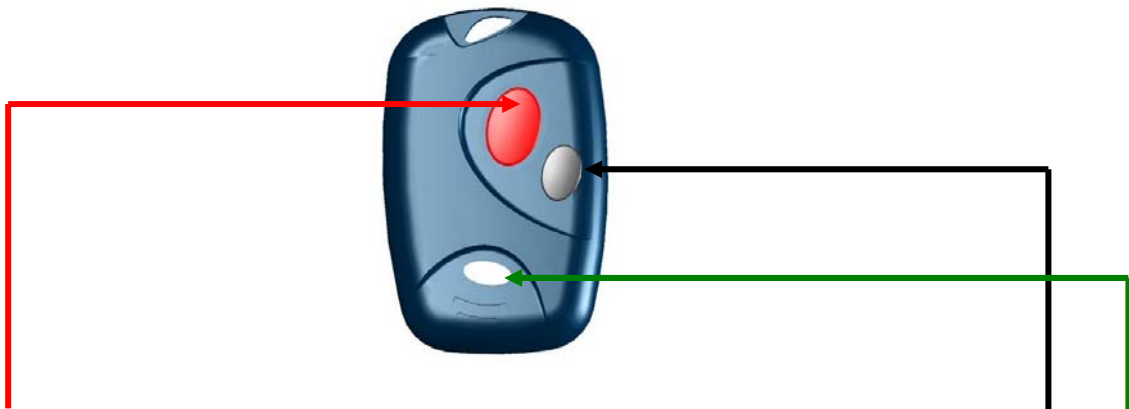
The **RED** button is used for Assist calls.

The **BLACK** button is used to:

- Switch-on and switch-off the Call Fob
- Check if the Call Fob is in communication with a network
- Cancel an alert

The **RED** Alert/Status lamp indicates:

- If the Call Fob is connected to a network
- Confirmation of button activation

To gain full benefit from this product please read this User Guide carefully.

EkoTek Pager

Compliance

This product complies with the requirements of the EU Radio & Telecommunications Terminal Equipment Directive 99/5/EC.

FCC & Industry Canada Statement Of Compliance

This device complies with Part 15 of the FCC Rules and Industry Canada Standard RSS 210.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference that may cause undesired operation.

Unauthorised modification to this equipment will void the user's authority to continue to operate the device within the scope of the Industry Canada and FCC Part 15 Rules.

A full technical specification for this product may be obtained from your Multitone representative.
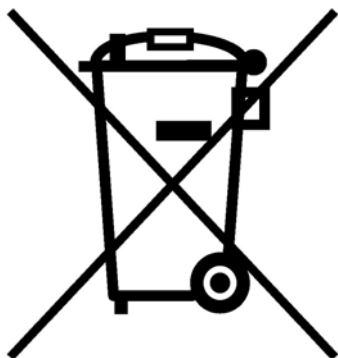
WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household, or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

EkoTek Call Fob

General User Information

Radio Reception

Your EkoTek Call Fob has been designed to give optimum performance within the coverage area of the transmitting system. As with any radio system there may be areas of poor coverage, where reception may be sporadic, or non-existent. If necessary, consult your system administrator in order to familiarise yourself with these areas.

Hazardous Areas

The EkoTek Call Fob should not be taken into areas where explosive gas, or dust products, may be present.
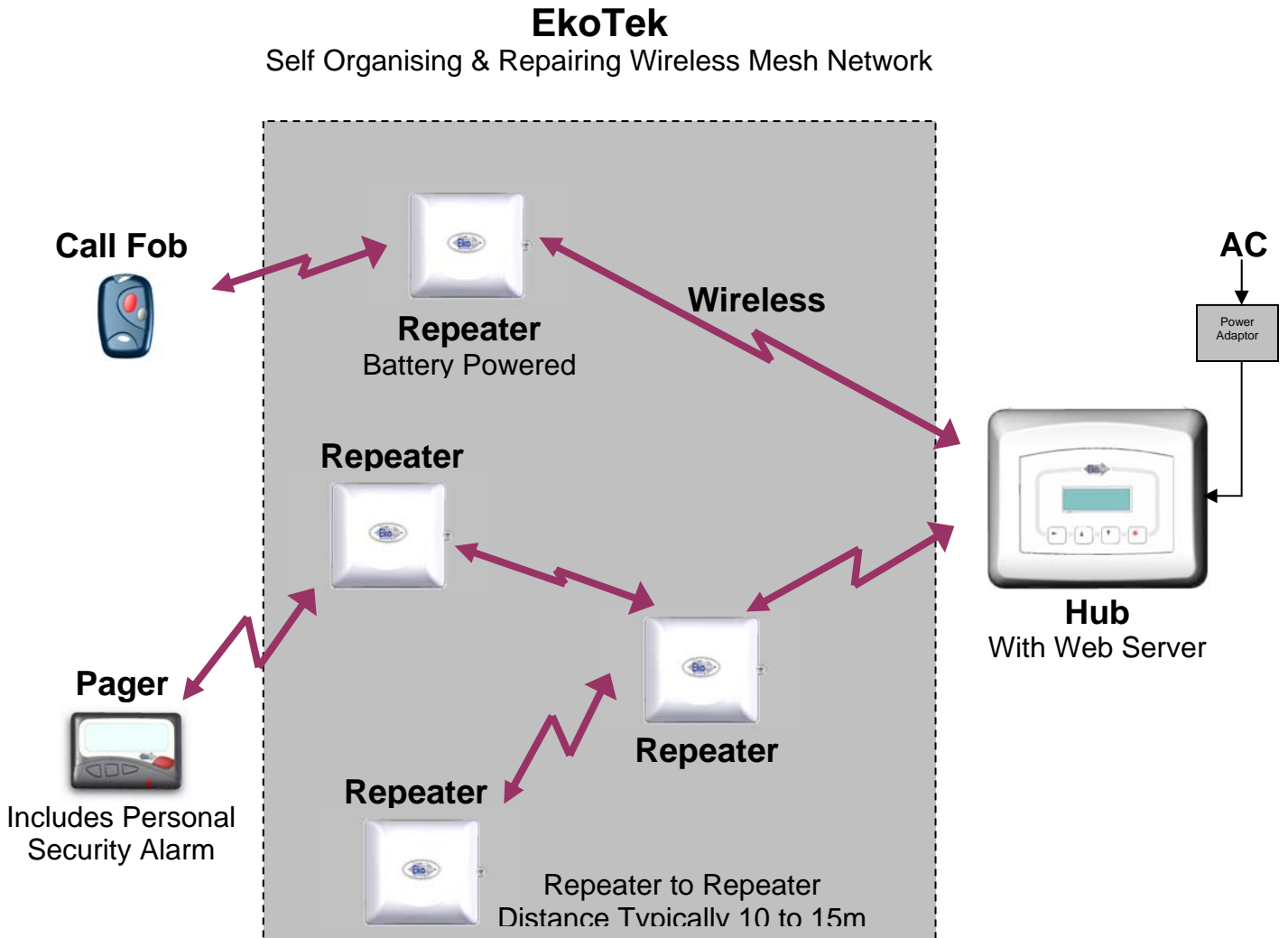
Call Fob Care

Protect your Call Fob from liquids, extreme temperatures and strong magnetic fields. Do not leave your EkoTek Call Fob exposed to strong sunlight.

Servicing

Should your EkoTek Call Fob require repair, return it to the designated service agent. Do not attempt to open or repair the product, as it contains delicate components and requires specialised test equipment.

EkoTek System Schematic

EkoTek
Self Organising & Repairing Wireless Mesh Network

Call Fob

Repeater
Battery Powered

Wireless

AC

Power Adaptor

Repeater

Pager

Repeater

Hub
With Web Server

Includes Personal
Security Alarm

Repeater

Repeater to Repeater
Distance Typically 10 to 15m

EkoTek Call Fob

Switching On Your Call Fob

To activate the Call Fob press and hold the **BLACK** button for up to 5 seconds. When activated the Call Fob will emit a single audible pip and the alert/status lamp will flash once indicating that it is switched on.

After 10 seconds the alert/status lamp will emit a series of single flashes, this indicates that the Call Fob is in the process of detecting the EkoTek wireless network. Once the network is detected and the Call Fob is logged-on, the alert/status lamp will emit a series of double flashes indicating that the Call Fob is now ready to use.

Pressing the black button briefly will indicate if the Call Fob is logged-on to a network : the Status lamp will flash twice in succession if it is logged on or once if it is not logged-on.

If your EkoTek Call Fob does not switch on, check that a fresh battery is correctly installed and refer to the section entitled: **Changing the Call Fob Battery**.

Note: The Call Fob is automatically activated by the insertion of a battery.

Status and Warning Messages

Checking Network Status

Press and release the **BLACK** button, the alert/status lamp will indicate EkoTek network connectivity status for a 6-second period. A single flash indicates that the Call Fob is attempting to detect the EkoTek network. A double flash indicates that the EkoTek network has been detected and the Call Fob is fully operational.

Changing Battery Notification

EkoTek Pager

When the battery requires changing the Call Fob will emit a single long beep with an accompanying flash of the alert/status lamp. Please refer to: **Changing the Call Fob Battery**.

Out-of-Range Notification

If the Call Fob is out-of-range of the EkoTek wireless network, the Call Fob will emit 2-beeps accompanied by 2-flashes of the alert/status lamp.

Switching the Call Fob Off

To switch the Call Fob off. Press and hold the **BLACK** button for 5-seconds this is confirmed by a single flash of alert/status lamp accompanied by a single beep.

To confirm that the Call Fob has been de-activated, press and release the **BLACK** button. If the unit has been de-activated neither the beep nor the alert/status lamp will activate.

Requesting Assistance or Raising an Alarm

In the event of an Emergency or where immediate assistance is required press the **RED** button. Depending on how the EkoTek system has been configured this may require a **SINGLE** or **DOUBLE** press of the **RED** button. Please confirm this action with your EkoTek system supervisor.

On pressing the **RED** button the Call Fob will acknowledge the alert with a flash of alert/status lamp accompanied by vibrate and/or a beep depending on configuration.

Cancelling an Alarm

At any stage during the initiation of an alarm or request for assistance it can be cancelled. To cancel the alarm press and hold

EkoTek Call Fob

the **BLACK** button, this is acknowledged by a single flash of the alert/status lamp in conjunction with a single pulse of the vibrate motor.

Dead Man Alert

Your Call Fob is equipped with a Dead Man alarm feature this facility must be enabled by your EkoTek System Supervisor.

The Dead Man Alert initiates an alert to the Call Fob at pre-determined time intervals. This alert must be acknowledged within a pre-determined time period by pressing the **BLACK** button. Please note that the System Supervisor configures both the frequency of the Dead Man Alert and the required response time.

If the alert is not acknowledged within the pre-determined time frame an alarm will be initiated. This can be cancelled at any time by pressing the **BLACK** button.

Man Down Alert

Your Call Fob is equipped with a Man Down alarm feature. This facility must be enabled by your EkoTek System Supervisor.

The Dead Man Alert operates by automatically initiating an alert sequence if the Call Fob is tipped over.

If the Call Fob is tipped over, after a pre-determined time interval the unit will beep, vibrate and the alert/status lamp will flash. This

indicates that the Call Fob must be returned to an upright position in order to terminate the alarm sequence. If the Call Fob cannot be returned to the upright position an alarm will be initiated. To cancel the alarm after it has been initiated press the **BLACK** button.

Changing the Battery

When the battery is near the end of its operating life, the Call Fob is programmed to provide a visual and audio warning – A single long beep with an accompanying flash of the alert/status lamp.

The Call Fob will continue to operate normally for several days. To ensure that calls are not missed, the old battery should be replaced with a new AAA sized battery as soon as possible.

To remove the battery door, slide the battery door in the direction of the arrow until the two 'pips' on the back of the Battery Door are aligned. Rotate the battery door in an anti-clockwise direction to expose the battery compartment.

Align 'pips' to remove the battery door
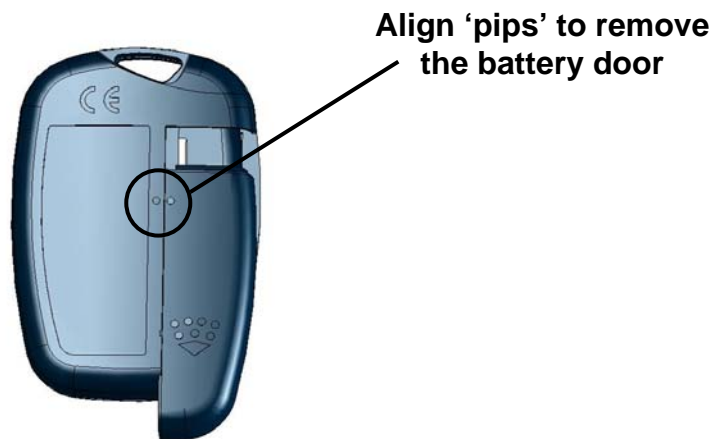
Insert the new battery in the direction as shown at the back of the battery compartment. Return the battery door back into position so that it locks automatically with a click.

Dispose of the old battery carefully with consideration for the environment and do not recharge or incinerate alkaline batteries.
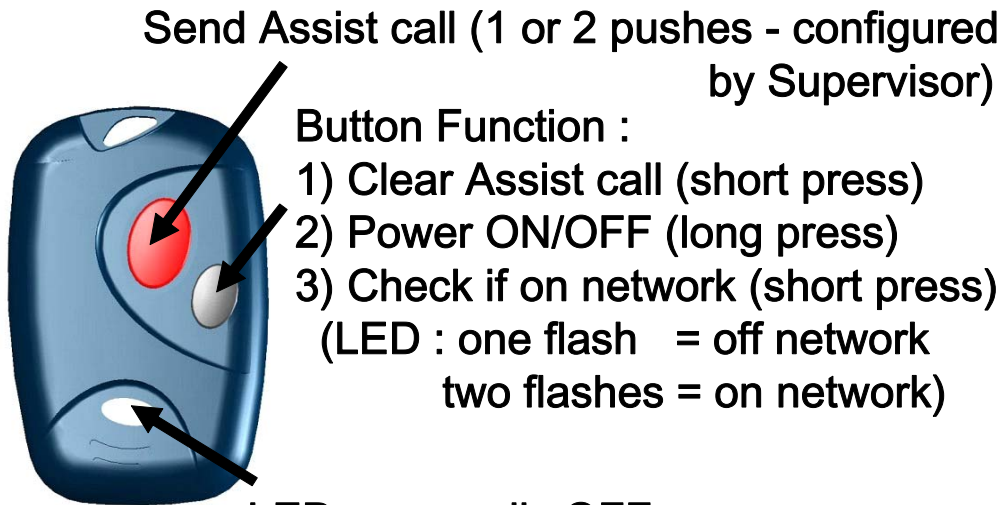
EkoTek Call Fob

Notes:

EkoTek Pager

**Multitone Electronics plc
Multitone House,
Shortwood Copse Lane,
Basingstoke,
Hampshire,
England RG23 7DH**

Part No. 9261-8277

EkoTek Fob – Quick Instructions

Button Functions

Send Assist call (1 or 2 pushes - configured by Supervisor)

Button Function :
1) Clear Assist call (short press)
2) Power ON/OFF (long press)
3) Check if on network (short press)
   (LED : one flash   = off network
          two flashes = on network)

LED – normally OFF
When Assist button pressed :
Slow flash - alarm being sent
2 fast flashes - alarm delivered
3 fast flashes - alarm accepted

Beep & Vibrate

Operation of beep and vibrate is set by the Supervisor at the Hub.

The Call Fob beep/vibrate (if enabled) is used to indicate a change in the status of an assist call and operates in conjunction with the LED flashes on the Call Fob.

Other beeps :
Periodic double beep – low battery
Triple beep – out of range of an EkoTek network

Connecting to a Network

If the Fob has been taken off-network, press the black button when in range of a network to make the Fob quickly re-join the network (e.g. when arriving at work in the morning).

EkoTek Fob – Quick Instructions

Changing the Battery

Align 'pips' to remove the battery door
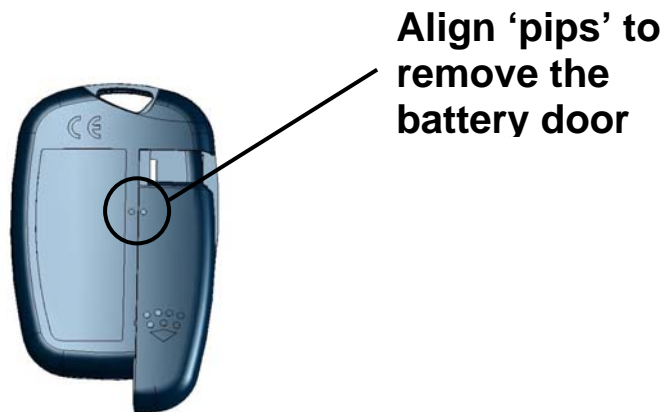
AAA Ni-Mh rechargeable or non-rechargeable alkaline batteries may be used in the Call Fob.

Compliance
This product complies with the requirements of the EU Radio & Telecommunications Terminal Equipment Directive 99/5/EC.

FCC & Industry Canada Statement Of Compliance

This device complies with Part 15 of the FCC Rules and Industry Canada Standard RSS 210.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference that may cause undesired operation.

Unauthorised modification to this equipment will void the user's authority to continue to operate the device within the scope of the Industry Canada and FCC Part 15 Rules.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household, or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

EkoTek Fob – Quick Instructions

Man-Down Operation (if enabled by Supervisor)

To prevent the automatic man-down alarm being sent, keep the Call Fob in an upright position (normally worn in the Call Fob holster on a belt)

Dead-Man Operation (if enabled by Supervisor)

Press the button to respond to periodic dead-man check (audible beep) and prevent automatic alarm generation

EkoTek Fob – Quick Instructions

Fonction des boutons

Envoi d'un appel d'assistance (1 ou 2 appuis – configuré par le superviseur)

Fonction du bouton:
1) Efface l'appel d'assistance (appui court)
2) Marche/Arrêt (appui long)
3) Contrôle la presence d'un réseau (appui court)
(DEL : un flash = pas de réseau
   deux flashes = presence d'un réseau)

DEL – Normalement éteint
Lorsque le bouton s'assistance est enfoncé:
Flash lent – Alarme envoyée
2 flashes rapides – Alarme reçue
3 flashes rapides – Alarme acceptée

Tonalités bip et vibreur

Le fonctionnement du bip et du vibreur est défini par le superviseur sur la station pivot.

Les fonctions bip/vibreur du porte-clé d'appel (si ces dernières sont activées) servent à indiquer un changement dans le statut d'un appel d'assistance et fonctionnent conjointement avec les flashes des DEL, clignotant sur le Porte-clé d'appel.

Autres bips :
Bip double périodique – batterie faible
Bip triple – hors de portée d'un réseau Eko Tek

Se connecter à un réseau

Si le Porte-clé d'appel a été mis hors réseau, appuyer sur n'importe quelle touche noire lorsque l'appareil entre dans une zone couverte par un réseau, pour le réactiver rapidement (par exemple, en arrivant au travail le matin).

EkoTek Fob – Quick Instructions

<u>**Changer la batterie**</u>

Aligner les « repères de centrage » pour retirer le couvercle de la batterie

Le porte-clé fonctionne avec des piles alcalines AAA Ni-Mh, rechargeables ou non.

Conformité

Ce produit est conforme aux exigences énoncées dans la Directive européenne 99/5/EC relative aux équipements terminaux de Radio et de Télécommunications.

Déclaration de Conformité de FCC et d'Industrie Canada

Ce dispositif est conforme à la Section 15 du règlement FCC et à la norme RSS 210 de Industrie Canada.

Le fonctionnement est subordonné aux deux conditions suivantes : (1) cet appareil peut ne pas causer d'interférences nuisibles et (2) cet appareil doit accepter toute interférence pouvant être à l'origine d'un fonctionnement non désiré.

Toute modification non autorisée effectuée sur cet équipement annulera le droit de l'utilisateur à l'utiliser dans le cadre de la règlementation prévue par la FCC et par la Section 15 de Industrie Canada.

Directive WEEE et collecte du produit

A la fin de sa durée de vie, ce produit ne doit pas être traité comme un déchet d'ordre ménager ou général. Il doit être déposé au point de collecte correspondant au recyclage de l'équipement électrique et électronique, ou retourné au fournisseur, en vue de son élimination.

EkoTek Fob – Quick Instructions

Fonctionnement Homme mort (si autorisé par le superviseur)

Pour éviter le déclenchement de l'alarme homme mort automatique, maintenir le téléavertisseur en position verticale (normalement porté dans un étui, accroché à une ceinture)

Fonctionnement Homme à terre (si autorisé par le superviseur)

Appuyer sur la touché pour effectuer le contrôle périodique homme mort (bip sonore) et éviter le déclenchement automatique de l'alarme

EkoTek Fob – Quick Instructions

Funciones de las Teclas

Enviar llamada de Asistencia (presionar 1 o 2 dos veces – según configuración realizada por el Supervisor)

Función de Tecla:
1) Despejar Llamada de Asistencia (pulsación corta)
2) Encender/Apagar (pulsación larga)
3) Verificar si está conectado a la red (pulsación corta)
(LED: un destello   = desconectado
     Dos destellos = conrctado)

LED – normalmente APAGADO
Cuando se presiona la tecla de Asistencia:
Destello lento – enviando alarma
2 destellos rápidos – alarma entregada
3 destellos rápidos – alarma aceptada

Beep y Vibrador

La función de beep y vibrador está configurada por el Supervisor en el Concentrador Central.

La función beep/vibrador (si está activada) se utiliza para indicar un cambio en el estado de una llamada de asistencia y opera junto con los destellos LED del Call Fob.

Otros beeps :
Dos beeps en intervalos regulares – batería baja
Tres beeps– fuera del área de cobertura de una red Eko Tek

Conexión a una Red

Si el Fob ha sido removido de la red, pulse la tecla negra cuando se encuentre dentro del área de alcance de manera que el Fob se vuelva a conectar rápidamente a la red (por ejemplo al llegar a la oficina por las mañanas).

EkoTek Fob – Quick Instructions

Cambio de Batería

Alinear los 'pips' para retirar la tapa
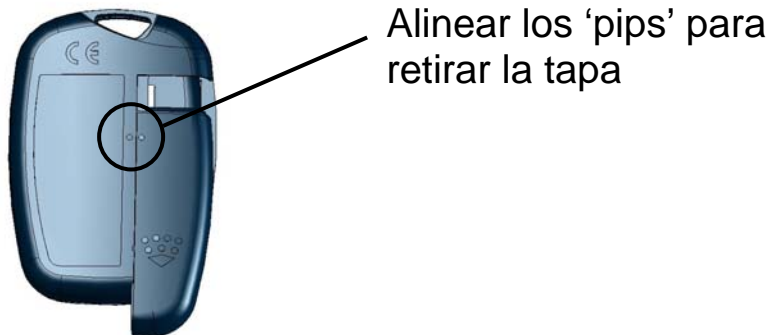
El Call Fob utiliza baterías alcalinas AAA Ni-Mh recargables o no recargables.

Cumplimiento

Este producto cumple con los requisitos de la Directiva 99/5/EC de la UE sobre Equipos Terminales de Radio y Telecomunicaciones.

Declaración de Cumplimiento de la Comisión Federal de Comunicaciones (FCC) y la Industry Canada

El equipo cumple con la Parte 15 de las Normas de la FCC y la norma RSS 210 de la Industry Canada.

Su funcionamiento está sujeto a las siguientes dos condiciones: (1) este equipo no debe causar interferencias perjudiciales y (2) este equipo debe aceptar todas las interferencias recibidas, incluso aquellas que puedan causar un funcionamiento no deseado.

Las modificaciones realizadas a este equipo que no hayan sido aprobadas por el fabricante invalidarán la autorización del usuario para continuar operando este equipo dentro del alcance de las Normas de la Industry Canada y la Parte 15 de la FCC.

EkoTek Fob – Quick Instructions

Directiva WEEE y Desecho del Producto

Al finalizar la vida útil del producto, el mismo no debe ser desechado como residuo doméstico o general. Debe ser entregado al punto de recolección designado para el reciclaje de equipos eléctricos o electrónicos, o bien devuelto al proveedor que le suministró el producto.

Función Hombre-Caído (si está activada por el Supervisor)

Para evitar que se envíe la señal de alarma automática hombre-caído, mantenga el Call Fob en posición vertical (normalmente se lo lleva en el estuche enganchado al cinturón)

Función Hombre-Muerto (si está activada por el Supervisor)

Pulsar la tecla para responder al control periódico de hombre-muerto (beep audible) y evitar la emisión de la alarma automática