EkoTek

Supplementary information sheet
Lone worker & staff protection

multitone

EkoTek is a two-way wireless workplace alerting system with accurate location, enabling users to make and receive calls for assistance.

Call fob

This small device sends a call for help manually by the user pressing a button, or automatically by the dead-man or man-down features. Accurate location information is obtained from nearby repeaters and sent with the call.

Call fob

- Part no: 2WCF
- Weight: 49.7g
- Dimensions: 43.25mm (w), 66.5mm (l), 15.7mm (d)
- Operating temp: -10°C – 55°C
- Battery life: typically four weeks
- Battery type: 1 x AAA cell high capacity alkaline manganese, or NiMH rechargeable battery
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Snatch cord pager

In addition to the call fob functionality, this device also has a display showing alarms from other snatch cord pagers and call fobs, which means the user can acknowledge calls and signal back to the call fob or snatch cord pager user to let them know that assistance is on its way.

Snatch cord pager

- Part no: 2WPAGSC
- Weight: 89.8g
- Dimensions: 82.5mm (w), 57.3mm (l), 20.5mm (d)
- Operating temp: -10°C – 55°C
- Battery life: typically six weeks
- Battery type: 1 x AAA cell high capacity alkaline manganese, or NiMH rechargeable battery
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Hub

This is the system's central control unit. It displays assistance call messages with time, user i.d. and location information. Device configuration is stored on the hub and can be changed using a PC running web browser software such as Internet Explorer. Statistics and logs are collected and stored which can be viewed using a web browser. Additional web browser functions include creation of pager messages, allowing messages to be sent to individual or groups of pagers, and also location display to allow call fob or snatch cord pager users to be located.

Hub

- Part no: 2WHUB
- Weight: 641.1g
- Dimensions: 162.7mm (w), 196.5mm (l), 48.0mm (d)
- Operating temp: 0°C – 40°C
- Battery type: external DC power input and internal backup batteries for operation during mains failure
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Slave IP hub

Functionally the same as the master hub, the slave IP hub enables the system to be extended across large sites. This avoids the use of a long chain of repeaters, instead offering synchronous connection via LAN to a master hub for a more robust system.

Slave IP hub

- Part no: 2WSIPHUB
- Weight: 641.1g
- Dimensions: 162.7mm (w), 196.5mm (l), 48.0mm (d)
- Operating temp: 0°C – 40°C
- Battery type: external DC power input and internal backup batteries for operation during mains failure
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Repeater unit

Once installed, these small units automatically form a network which enables messages to be relayed from the user to and from the hub. The network's physical layout is determined by the placing of repeaters, which may extend across floors and buildings. Repeaters are battery powered and do not need any wires, making installation very quick and low cost. Each repeater provides a location beacon signal enabling location information to be used alongside alarm signals and also for tracking.

Repeater

- Part no: 2WREP
- Weight: 426.7g
- Dimensions: 87.3mm (w), 100.4mm (l), 47.5mm (d)
- Operating temp: -0°C – 40°C
- Battery life: typically one year
- Battery type: 2 x D cell high capacity alkaline manganese batteries
- Approvals: All EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Solar powered repeater

Functionally the same as a normal repeater, the solar powered repeater provides outdoor site coverage. It contains a rechargeable solar powered cell which needs an average 0.5 hours of sunlight a day and is IP65 rated (see below).

- Part no: 2WSREP
- Weight: 157.4g
- Dimensions: 80.5mm (w), 93.25mm (l), 62.0mm (d)
- Operating temp: -20°C – 35°C
- Battery type: proprietary battery pack
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme. The Solar Powered Repeater is also approved to IP 65 – dust and water

Solar powered repeater

Call point repeater

Functionally the same as a standard repeater, the call point repeater is fitted with a push button for fast alarm activation.

- Part No: 2WCP
- Weight: 426.7g
- Dimensions: 87.3mm (w), 100.4mm (l), 47.5mm (d)
- Operating temp: -0°C – 40°C
- Battery life: typically one year
- Battery type: 2 x D cell High Capacity Alkaline Manganese batteries
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Call point repeater

Mains powered repeater

Functionally the same as a standard repeater, the mains powered repeater runs from the mains power supply instead of a battery. It also includes internal backup batteries in case of mains failure.

- Part no: 2WMREP
- Weight: 166.5g
- Dimensions: 87.3mm (w), 100.4mm (l), 47.5mm (d)
- Operating temp: 0°C – 40°C
- Battery type: external DC power input and internal backup batteries for operation during mains failure
- Approvals: all EkoTek products have CE (R&TTE) marking, FCC Part 15 (US) and IC RSS210 (Canada) certification and are also covered by the Australian C-tick scheme

Mains powered repeater

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