

# EKO TEK lone worker protection

## Hospitality Solutions



OH & S regulations state that employers need to create safer working environments for their staff. This is especially true for workers in the hospitality industry who face potential threats from angry or intoxicated patrons, fires, and could even be faced with terrorist acts. EkoTek reduces emergency response times in emergency situations and provides accurate location information of distressed workers. EkoTek's wireless solution assists in overcoming emergency circumstances by facilitating fast, wireless, and reliable emergency response communications. Staff often work more efficiently knowing they will be protected when they need urgent assistance. Fast and effective emergency response in hospitality environments is an essential dimension to a safe and successful hospitality business.

Staff can use a Call Fob to signal a duress alarm, with the assistance message providing their accurate location information to other staff members or security personnel. The Call Fob can be worn safely around the neck as it is small and light, allowing users to be mobile and carry out their duties as normal.

EkoTek's features result in faster and more reliable emergency response times, no cabling or electrical modification requirements, minimum costs and maximum flexibility during installation, operation, and system expansion.

IDW Technologies can work with any existing security systems integrator to install EkoTek lone worker protection. EkoTek is a versatile and fully customisable system by nature, which ensures it integrates completely and easily with any existing security framework.

EkoTek is ideal for hotels, restaurants, cafe's, pubs & clubs, cinemas, other entertainment venues, and much more.

### Key Benefits to Hospitality Staff:

- **Rapid response to emergencies**  
Workers can send emergency alarms at any time from anywhere in the network using their wireless alarm units (see over page for details).
- **Man down alarm**  
A special tilt switch in the alarm unit generates an alarm if the worker falls down.
- **Dead man alarm**  
Worker must respond to regular alerts by pressing a button on the alarm unit. An alarm is generated if the worker does not respond.
- **Worker location reporting**  
EkoTek provides accurate location information of workers in the network. Workers can be located fast and reliably in emergency situations.
- **2-Way task management system**  
Workers can be sent task requests and can respond 'yes' or 'no'. Workers can be paged and located when necessary to complete tasks promptly.
- **Security system integration**  
IDW Technologies can interface with any existing security system and work with the system integrator to install EkoTek lone worker protection.



2-Way



No Wires



Easy to Install



Easy to Expand



website [www.ozid.com.au](http://www.ozid.com.au)

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## EkoTek Components



### 2-Way Call Fob

Allows duress alarms to be generated either by the user pressing the alarm button or automatically via the Dead-Man or Man-Down features. Accurate location information is obtained from nearby Repeaters. The Call Fob can also report the user's location to a Hub web page as the user moves around, and thus allowing tracking applications such as visitor, customer, or patient location tracking to be implemented. Acceptance of duress alarms by a 2-Way Pager is indicated at the Call Fob to reassure the user help is on the way.



### 2-Way Pager

Multi-functional device allowing duress alarms to be generated and can also display received messages and acknowledge. The Pager also supports Dead-Man and Man-down features and displays alarms from other Pagers and Call Fobs, allowing the user to accept the alarm and signal back to the distressed Call Fob or Pager help is on the way.



### Repeater

Several Repeaters form the backbone mesh radio network which facilitates 2-way communication between the Hub and users. The physical layout of Repeaters is determined by the premises, and networks may extend across floors and buildings. Repeaters are battery powered and therefore completely wireless, which offers minimum costs and maximum flexibility during installation, operation, and system expansion.



### Hub

Receives all duress alarms and displays the distressed user's name and accurate location for security personnel. Device configuration data 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 at the Hub and can also be viewed using a web browser. Additional web browser functions include creating pager messages, sending messages to individual or groups of Pagers, and display of accurate user location information.

## Technical Specifications

<b>Radio Frequency</b>	2405 - 2480 MHz
<b>Radio Channels</b>	16
<b>Channel Operating Mode</b>	Fixed frequency or frequency hopping
<b>Radio Protocol</b>	CDMA IEEE 802.15.4
<b>Radio Power</b>	10 mW
<b>Radio Structure</b>	Self-configuring/repairing mesh for range and easy expansion.
<b>Hub Interfaces</b>	AC-DC power input, alarm contacts, antenna.
<b>Power</b>	All devices are battery powered except for the Hub which has an external AC-DC power input and internal backup batteries for operation during mains failure (3 x 'C' NiMh rechargeable batteries).
<b>Repeater Power</b>	2 x 'D' cell high-capacity Alkaline Magnesium or NiMh rechargeable batteries
<b>Pager Power</b>	2 x 'AAA' cell high-capacity Alkaline Magnesium or NiMh rechargeable batteries
<b>Call Fob Power</b>	2 x 'AAA' cell high-capacity Alkaline Magnesium or NiMh rechargeable batteries
<b>Number of Repeaters per radio channel</b>	Max. 90
<b>Total number of Repeaters across all radio channels</b>	Max. 300
<b>Total number of Pagers</b>	Max. 127
<b>Number of Pagers in a Pager group</b>	Max. 35
<b>Total number of Call Fobs</b>	Max. 200
<b>Total number of devices per system</b>	Max. 500

