

RadioLINK⁺ - Fire/CO Alarm Interface — Ei414



- Connect your Smoke/Heat and CO Alarm system to external devices e.g. Warden Call and other Telecare systems
- Powered by either mains 240V AC or 10-30V DC external source
- Rechargeable lithium cell back-up
- Volt-free contacts outputs (NO & NC) for Alarm (Fire & CO) messages and Fault messages
- Clear indicator LED's
- 3 position key switch for:
 - ON - normal operation
 - TEST - check alarms and communications
 - OFF - communications null
- Contains RadioLINK⁺ for wireless communication with RadioLINK⁺ & SmartLINK⁺

Contains:



Product Description

The Ei414 Fire/CO Alarm Interface provides either a wireless interface via RF between a RadioLINK⁺ RadioLINK⁺ & SmartLINK⁺ Alarm system. As well as a physical (hard-wired) interface via a link cable between Warden Call/Telecare systems.

The Ei414 decodes RF Fire and/or CO signals from the R & RP devices and activates the relevant onboard relays. The relays must be wired to the (universal) RF transmitters or via a special link cable to the Warden Call systems. The Warden Call System in turn is programmed to perform the desired function, on receipt of these signals.

The Ei414 can deliver either a pulse signal or a continuous switched signal via the relays to the universal transmitters. The specific signal type will be determined by the requirement of the OEM universal sensor.

The Ei414 contains x3 mains rated relays (rated up to 250V AC / 5 Amps). The relay contacts operate on mains power or on battery back-up cells in the event of a mains failure.

The Ei414 has a key switch with 3 positions:

- ON - Sends a signal from an Aico Alarm but not a Controller
- TEST - Sends a signal from an Aico Alarm and Controller
- OFF - No signal sent from an Aico Alarm or Controller

The Ei414 uses RadioLINK⁺ multi-repeater, multi-path technology to deliver very robust and reliable RF signal coverage. While designed primarily to interface with a Warden Call or similar Telecare system, the versatility of the Ei414's electrically isolated contacts means it can be used to switch many other OEM devices.

TECHNICAL SPECIFICATION

Supply Voltage:	230V AC or 10-30V DC															
Battery Back-up:	Rechargeable lithium cells															
RF Frequency:	868.499Mhz RadioLINK protocol															
RF Protocol:	Proprietary RadioLINK using multi-path, multi-repeater mesh architecture.															
RF Range:	100 meters in free air 30 meters in standard property															
Temperature:	Operating - 0°C to 40°C Storage - 0°C to 35°C (in a dry area)															
Humidity Range:	15% to 95% Relative Humidity															
Indicator LED's:	<table border="0"> <tr> <td>Green Above</td> <td></td> <td>- Power</td> </tr> <tr> <td>Red Above</td> <td></td> <td>- CO detected</td> </tr> <tr> <td>Red Above</td> <td></td> <td>- Fire detected</td> </tr> <tr> <td>Red Above</td> <td></td> <td>- Service detected</td> </tr> <tr> <td>Blue Above</td> <td></td> <td>- RF transmission</td> </tr> </table>	Green Above		- Power	Red Above		- CO detected	Red Above		- Fire detected	Red Above		- Service detected	Blue Above		- RF transmission
Green Above		- Power														
Red Above		- CO detected														
Red Above		- Fire detected														
Red Above		- Service detected														
Blue Above		- RF transmission														
Outputs:	Fire Alarm Relay (NO/NC) CO Alarm Relay (NO/NC) Fault Alarm Relay (NO/NC)															
Plastic Material:	HIP															
Fixing:	Wall mountable, fixings supplied															
Dimensions:	Product - 190mm x 90mm x 39mm Package - 218mm x 100mm x 45mm															
Weight:	390g (Boxed 445g)															
Warranty:	5 year (limited) warranty															
Approvals:	Designed to comply with R&TTE, EMC and LV Directives															



Specifications are subject to change



Rev2 20/03/19 KTS

Company Registration No. 2544399
WEEE Registration No. WEE/AE0109WY
Battery Producer Registration No. 2544399W