

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:**
 - 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)
Volt Free contact or 12-24V DC
- Input:** HIP
- 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



Rev3 21/05/20 Specifications are subject to change

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