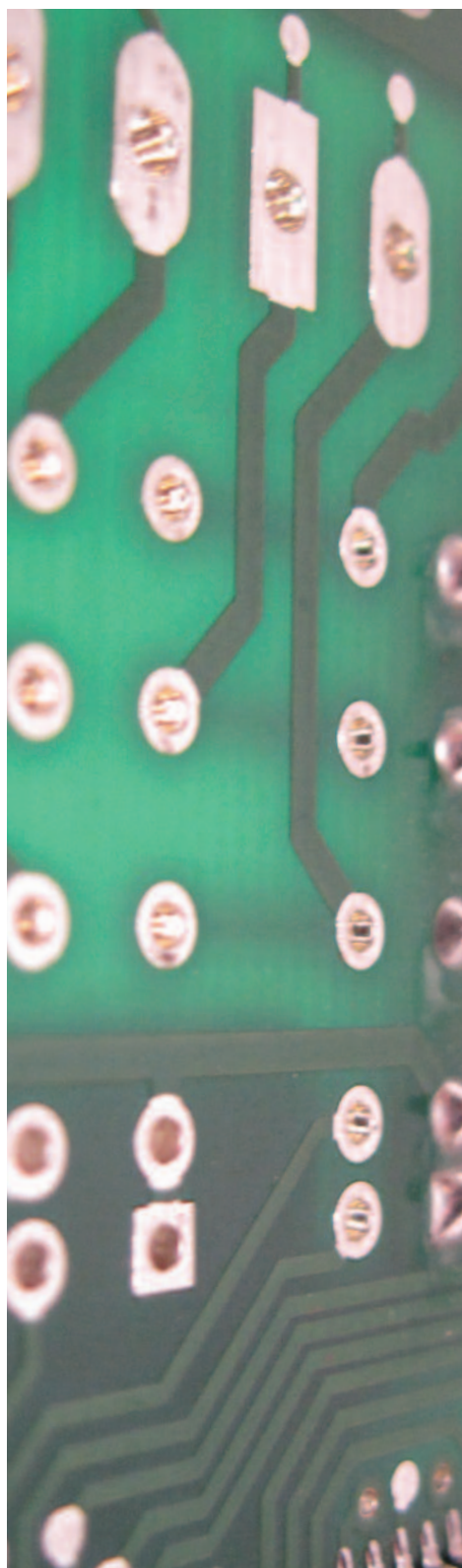**COOPER** Safety
Fire Systems

EN54

Input/Output Unit

CWIF930 - Wireless Input/Output Unit

Overview

The wireless input/output (CWIF930) is designed to comply with EN54 Pt25 & Pt18.

The (CWIF930) is compatible with the Cooper wireless fire system.

The wireless 3 channel input/output unit provides the facility to monitor 3 independent inputs for fault and fire as well as providing the facility to operate 3 volt free contacts for operating devices such as magnetic door holders, in areas where the installation of system wiring is not an option.

This unit is assigned 1 address and this address is recognised by the Cooper wireless control panel.

The wireless 3 channel input/output unit is fully monitored and controlled by the Cooper wireless control panel. It is fully programmable using the sophisticated and powerful Cooper cause and effect programming.

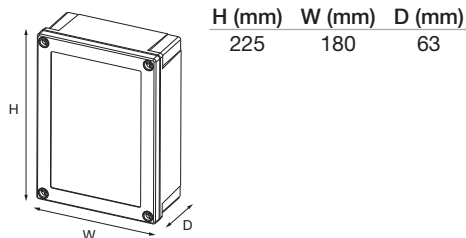Both input and outputs are available from the same unit and may be operated

Features

- 3 x Standard AA batteries
- Fully addressable
- Concealed antennas
- Long range up to 1km in free pace
- Duplex technology (2 way communication)
- 3 Volt free outputs
- 3 monitored hard wired inputs

Benefits

- Long battery life
- Eliminates cabling difficulties
- Minimise disruption
- Helps preserve building aesthetics

COOPER

Dimensions

H (mm)	W (mm)	D (mm)
225	180	63

Technical Specification

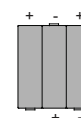| Code	CWIF930
Description	Wireless Input/Output Unit
Standards	EN45 Pt25 components using wireless links EN45 Pt18 & BS5839 Pt1
Description	
Batteries	3 x AA Lithium (4.5V) 3000 mAhr (min)
Wireless Frequency	868.05 MHz - 869.95 MHz. uses alarm specific frequencies to cut other user interference (can be programmed to other countries frequencies)
Number of Units per Panel	20 (max)
Wireless Range	> 1km in free space
Data Rate	4.8k bs (manchester), 9.6k bs (standard)
Frequency Agile	Yes
Inputs	
End of Line Resistor	22K
Alarm	5K6
Outputs	
Switching Voltage	30V dc
Contact Rating	1A
Switching Power	30W
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	95% RH
Physical	
Construction	PC
Dimensions (H x W x D)	225mm x 180mm x 63mm
Weight	0.9kg
Ingress Protection	IP21
Compatibility	
Suitable for use with	Cooper Wireless Fire Systems

Batteries

While wireless control panels and boosters operate from a battery backed mains supply (which is designed to comply with the latest EN54 Pt4) the true economy and reliability of the wireless fire system is highly dependant on the cost and availability of the batteries used in the various field devices.

The wireless system incorporates a number of innovative design features that enables battery life in excess of 3 years, from readily available, across the counter, standard AA cells. Battery monitoring functions ensure that early warning of any low battery conditions is signalled and can therefore be co-ordinated with normal maintenance procedures.
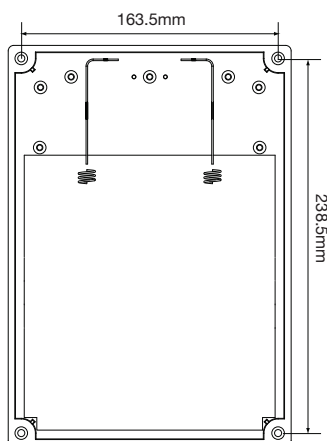
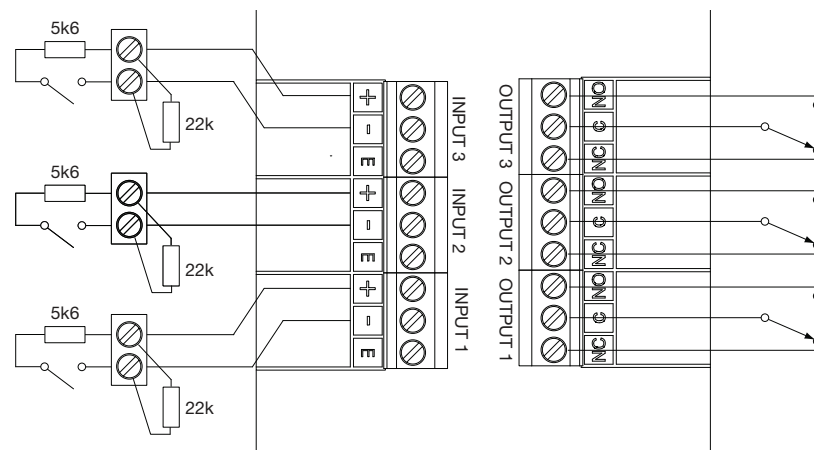Battery replacement is therefore both economic and simple.

Battery Layout

Specified Battery
Energizer L91 ultimate lithium

Fixing Centres

163.5mm

238.5mm

Standard Connection

Product Codes

Code	Description
CWIF930	Wireless Input/Output Unit