Booster Panel CWB9500

Batteries

While wireless control panels and boosters operate from a battery backed mains supply (which is designed to comply with the latest EN54 Part 4) 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 CW9000 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.

CW9500 wireless booster panel

status LED's

Overview

The CWB9500 wireless booster panel allows devices outside the range of the CW9000 wireless control panel to be addressed, monitored and controlled by the panel.

Each wireless booster operates its own dedicated wireless loop on a different system ID and frequency from the main control panel.

The wireless loop of the booster, with up to 28 intelligent addressable wireless devices, is operated in synchronisation with the CW9000 wireless loop to provide a transparent link between the wireless control panel and the intelligent addressable devices.

The intelligent addressable devices on the wireless boosters wireless loop are commissioned and directly accessed by the main control panel.

Up to 8 boosters can be commissioned onto the main panel wireless loop.

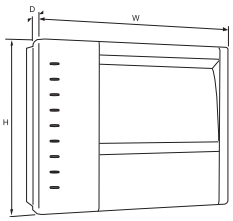
Features

- Fully addressable
- Range > 1km in free air
- Duplex technology (2 way communication)
- Mains powered and battery backed
- Up to 8 boosters on the wireless Loop
- Up to 28 wireless devices per booster
- Power supply designed to comply with EN54 Pt4

Benefits

- Eliminates cabling difficulties
- Minimise disruption
- Preserve aesthetics
- Extend range
- Seamless addition of Cooper wireless design
- Easy to install and commission
- Save time and cost

Dimensions



H (mm)	W (mm)	D (mm)
331	270	90

Technical Specification

Code	CW9500
Description	Wireless booster panel
Standards	EN54-25
Power	
Operating Voltage	230V ac +10%/-15% (nom)
Current Consumption	50mA
Input Fuse Protection	6A Fast-blow fuse (F1)
Monitored Supply	Yes
Batteries	
Number	1
Battery Type	12V 3.2Ah
Standby Current	35mA
Fuse Protection	3A Polyswitch (PTC2)
Monitored	Yes
Radio	
Frequency Band	868 MHz
Wireless Devices	28 (max)
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	0 to 95% RH
Physical	
Construction	PC/ABS
Colour	Graphite
Dimensions (H x W x D)	331mm x 270mm x 90mm
Weight (incl. batteries)	3.5kg
Weight (excl. batteries)	2.1kg
Cable Entry	1 for mains
Cable Entry	Diameter 20mm
Compatibility	
Suitable for use with	Intelligent addressable wireless fire systems

Installation

- The CWB9500 wireless boosters should be fixed and wired first.
- The wireless ancillaries should then be positioned and fixed as per the drawings.
- The booster should be positioned clear of metal structures, cables, metal piping, and foil backed plasterboard.
- For ease of access the front panel can be removed by removing the screws underneath the flap.
- The display section can also be removed by unscrewing the screw at the top of the cover, tilting the cover forward to disconnect the large ribbon cable, and then removing the cover by pulling it out of the brackets.
- Refitting is the reverse of removal.
- The booster should be fixed using four suitable fixings through the holes provided.
- Do not drill through the box to locate the fixings as dust and debris will contaminate the electronics.

Product Codes

Code	Description
CW9500	Wireless booster panel