



Product information  
Version 1

## EW40 Wireless Control



### Description

The EXHAUSTO EW40 wireless control unit is used to regulate chimney fans (1 x 230V) used with solid fuel combustion in fireplaces, wood-burning stoves or solid fuel boilers, for example.

The EW40 allows the chimney draught to be regulated and adjusted as required.

The EW40 uses radio waves at a frequency of 868,42 MHz and the Z-wave protocol. The system employs two-way communication, which means unique security and reliability as all commands have to be confirmed. The system is also protected from communication with non-related units.

The range is affected by the resistance met by the signal. In the open air, the range extends to over 150 metres, while in buildings it is around 12 metres. The range can be increased by the installation of one or more repeater units, each of which extends the signal range by an equivalent distance.

The EW40 set consists of a control panel which can be positioned anywhere near the heating source, and a power unit for fitting to the chimney near the chimney fan. The power unit is fitted as standard with five metres of cable for connection to the mains and features an integrated repair switch for the chimney fan.

### Accessories

**Temperature sensor** for the power unit. When fitted to the power unit, the temperature sensor can start and stop the chimney fan automatically, provide information about the current chimney temperature, indicate when refuelling is required, and trigger alarms to warn of an impending chimney fire.

**Repeater units** (signal amplifiers) can be positioned between the power unit and the control panel to increase the range of the system.

The mains adapter can be used to power the control panel instead of batteries. If a mains adapter is used, the control panel will be active at all times.

A stainless steel chimney cover is available for power units that are to be fitted to round steel chimneys.

### Functions

The EW40 control panel allows the user to start and stop the smoke extractor and to increase or decrease its speed. The most recent operating setting is saved in a memory. The control also monitors the repair switch for disconnection.

### Additional functions with a temperature sensor

#### Start-up function

Initial start-up, where the chimney fan runs with extra draw to reduce the lighting time and help the fire to take more quickly.

#### Refuelling

The smoke temperature is monitored, and the unit triggers a signal when this temperature falls below a pre-defined level. Activating the panel increases the chimney draught to prevent refuelling from causing a backdraught of smoke and to help the fuel added to take more quickly.

#### Automatic start and stop

The temperature sensor automatically monitors the operation of the system, thus guarding against overload in the event of oversights. If the user lights a fire without activating the control system, the sensor switches on the system itself. It also switches off the chimney fan when necessary to prevent extraction of the heat from the residence once the fire has burned down.

The control system will also trigger an alarm if the chimney temperature becomes too high so as to guard against the risk of a chimney fire.

# EXHAUSTO

[www.exhausto.co.uk](http://www.exhausto.co.uk)



## Technical specifications

Description	Data
<b>General information:</b>	
Frequency:	868,42 MHz
Protocol:	Z-wave
Range:	over 150 metres outdoors and approx. 12 metres in buildings
<b>Control panel</b>	
Dimensions (b x h x d)	151 x 101 x 44 mm
Material:	ABS
Operating temperature:	0–40°C
IP-category:	IP20
Battery:	2 x C (LR14)
Battery lifetime:	approx. 1 year
<b>Power unit</b>	
Dimensions (b x h x d):	123 x 120 x 58 mm
Material:	ABS
IP-category:	IP64
Voltage:	230 V ± 10%, 50 Hz
Fuse:	T 2.0 Amp
Power output:	2 Amp
Operating temperature:	-20–60°C
Temperature sensor:	-50–450°C
Standby consumption:	1 W
<b>Repeater unit</b>	
Dimensions (b x h x d):	80 x 120 x 58 mm
Material:	ABS
Voltage:	230 V ± 10%, 50 Hz
Operating temperature:	-20–60°C
IP-category:	IP64
Consumption:	0,75 W