

EXHAUSTO

Wireless Fan Control EW 40

Use

The EXHAUSTO EW 40 Wireless Control Unit is used to regulate chimney fans (1 x 120VAC) used with solid fuel combustion in fireplaces and stoves or with gas-fired appliances. The EW 40 allows the chimney draft to be regulated and adjusted as required.

Description

The EW 40 uses radio waves at a frequency of 900 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 450 feet, while in buildings it is around 40 feet. 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 EW 40 set consists of a Control Unit 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 meters of cable for connection to the mains and features an integrated repair switch for the chimney fan.

Sequence of Operation

The EW 40 Control Unit allows the user to start and stop the draft inducer and to increase or decrease its speed. The most recent operating setting is saved in memory. The control also monitors the repair switch for disconnection.

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 the temperature falls below a pre-defined level. Activating the control increases the chimney draft to prevent refuelling from causing a backdraft of smoke and to help the fuel added to take more quickly.

Specifications are subject to change without notice.



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 Unit will also trigger a chimney fire alarm if the chimney temperature becomes abnormally high.

Material

ABS

Standard Equipment

Control Unit
Power Unit
Temperature Sensor
Repeater Unit (optional)

Listings

UL Recognized

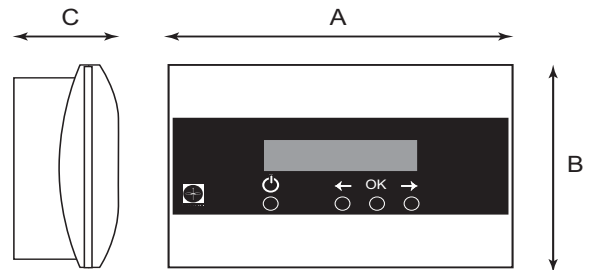
Warranty

2-year factory warranty

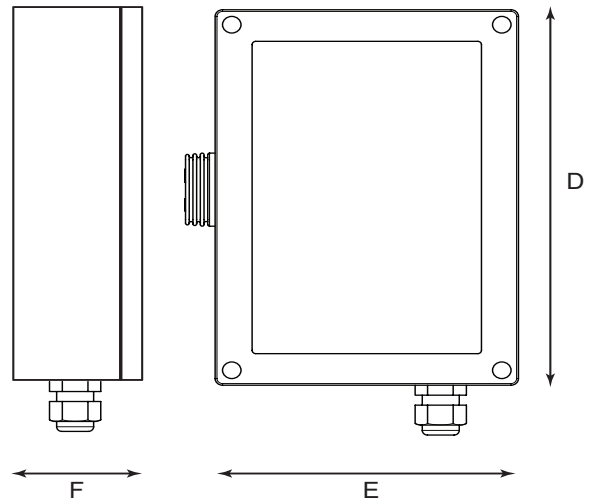
Specifications

EW 40 Control Unit		
Power Supply		2 x 1.5V C-batteries
Battery Life		Approx. 1 year
Operating Temperature	°F/°C	32 to 104 / 0 to 40
Material		ABS Plastic
Dimensions	A in/mm	5.94 / 151
	B in/mm	3.98 / 101
	C in/mm	1.73 / 44
Weight	lbs /kgs	0.9 / 0.41
EW 40 Power Unit		
Power Supply	V	120V +/- 10%, 60 Hz
Power Output	A	2.0
Standby Consumption	W	1
Fuse	A	T2.0
Operating Temperature	°F/°C	- 4 to 140 / - 20 to 60
Material		ABS
Frequency	MHz	868
Protocol		Z-wave
Range	Outdoors ft / m	450+ / 150+
	Indoors ft / m	30 / 10
Protection Class		NEMA
Tolerance	inWC/Pa	0.01/3 +/-10%
Dimensions	D in/mm	4.84 / 123
	E in/mm	4.72 / 120
	F in/mm	2.28 / 58
Weight	lbs / kg	1.6 / 0.73
EW 40 Repeater Unit		
Power Supply	V	120V +/- 10%, 60 Hz
Standby Consumption	W	0.75
Operating Temperature	°F/°C	- 4 to 140 / -20 to 60
Material		ABS
Protection Class		NEMA
Dimension	G in/mm	3.15 / 80
	H in/mm	4.72 / 120
	I in/mm	2.28 / 58
Weight	lbs / kg	1.1 / 0.5
Temperature Sensor		
Material		Glass/ Stainless Steel
Type		PT 1000
Operating Temperature	Sensor °F/°C	- 58 to 842 / -50 to 450
	Cable °F/°C	- 58 to 257 / -50 to 125
Dimensions	J in/mm	4.25 / 108
	K (OD) in/mm	3.50 / 89
	L in/mm	72 / 1829
Weight	lbs / kg	0.2 / 0.1

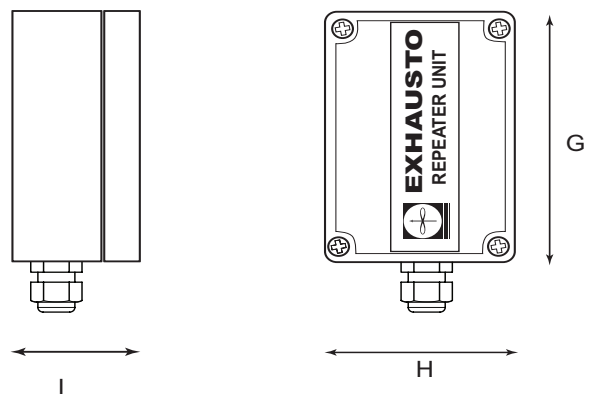
Control Unit



Power Unit



Repeater Unit



Cable

