

EFC21-EU-01

Automatic control



EXHAUSTO

FOR A BETTER FLOW



EFC21 - Product Information

Description

EXHAUSTO controller EFC21 has been developed for use with gas fireplaces where an EXHAUSTO chimney fan or wall fan is installed.

The control system supervises the fail-safe function. In case of insufficient chimney draught, the EFC21 will shut off the gas supply.

The control system is developed to meet BS 5440:

Part 1 (2000), BS 6644 (1991), Gas Appliance Directive 90/396/EEC, EN298 (1993) and other relevant European standards.

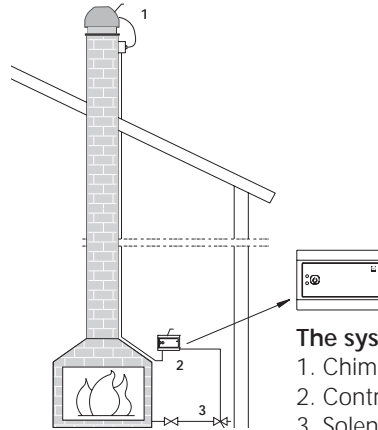
Function

By activating EFC21 the chimney fan will immediately start up on full speed. When the fail-safe supervision confirms sufficient chimney draught, the fireplace can be lit and the fan speed will adjust to the pre-set value set during commissioning.

The controller has a step-up function and a 15-second delay function to avoid nuisance cut-outs. When EFC21 is turned off, the chimney fan stops.

It is possible to pre-set an after-ventilation period of 3 minutes.

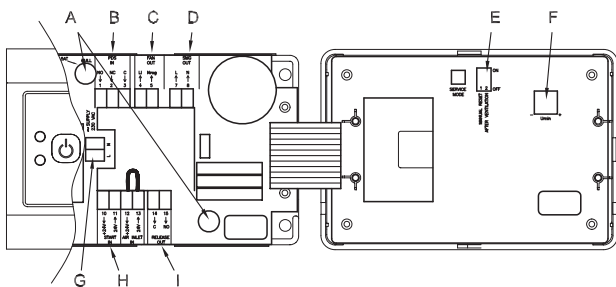
The step-up function is part of the fail-safe system. Should the draught fail during normal operating conditions: the controller will increase the fan speed to compensate. This usually occurs on days that are windier than the commissioning day. If sufficient draught cannot be re-established, then the EFC21 will shut off the gas supply.



The system consists of:

1. Chimney fan
2. Controller EFC21
3. Solenoid valve SMG

EFC21 - Technical Data



Height (mm)	85	Supply (G)	230V +/- 10%, 50 Hz
Width (mm)	126	Input for external on/off switch (H)	24V DC (Closed circuit supply)
Depth (mm)	32	Release out Relay (I)	Max. 3A 230V AC / 3A 30V DC (Fused: 3.15AT)
Fuse rating (amps) (A)	3.15 A T	Operating temperature	-10°C to 40°C
Fail safe (B) Pressure differential switch (PDS)	24V DC (Closed circuit supply)	Degree of protection	IP 30
Output to chimney fan (C)	1.8A / 230V (AC 3)	Material	ABS
Output to solenoid valve (SMG) (D)	230V AC max. 100 VA	Colour	White
Dipswitch options (E)	<ul style="list-style-type: none"> • Manual reset • After ventilation 3 min. period 	CE-Approval No.	0063BN1144 based on EN298 (1993)
Set-point running speed (F)	Potentiometer on PCB		

EXHAUSTO controls are supplied with a 2 year warranty. EXHAUSTO is certified according to ISO 9001.

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