

Automatic Control EBC12 EU01



Description

The EXHAUSTO control system EBC 12 is used in connection with installation of EXHAUSTO chimney fans to heating appliances.

EBC 12 has been developed for use with multiple boiler installations and boilers with modulating burners, where a constant draught is required.

The control can be used with both atmospheric gas appliances as well as forced draught appliances for oil and gas.

EBC 12 will modulate the fan speed according to the number of boilers in operation and thereby ensure that there is always optimum updraught in the flue and chimney.

The control supervises the fail-safe function. In case of insufficient chimney draught, the EBC 12 will shut down the boiler(s).

EBC 12 is developed to meet BS 5440: 2000 Part 1 and BS 6644: 1991 and other relevant European standards.

Functions

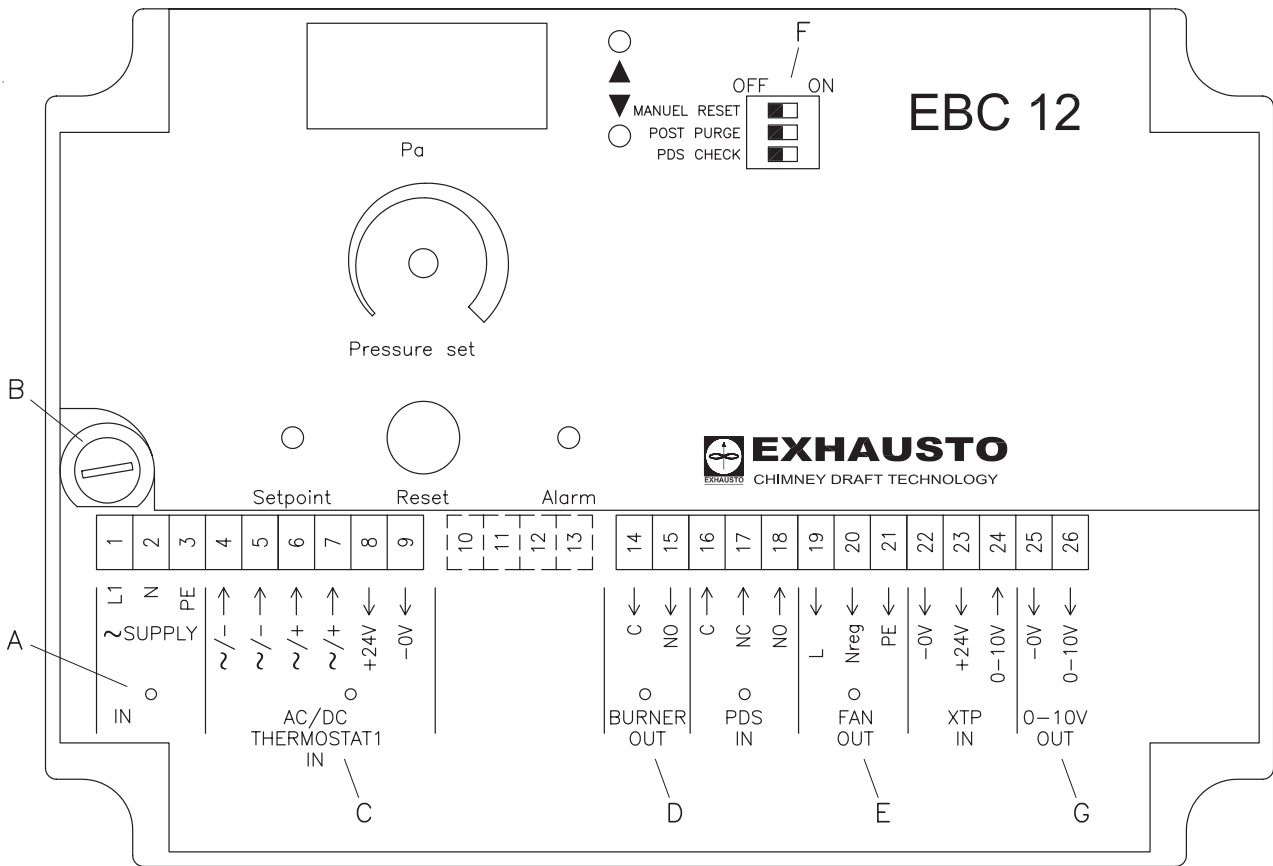
When the boiler thermostat calls for heat, the chimney fan will immediately start up on full speed. When the fail-safe super-vision confirms sufficient draught, the boiler burner will be released. The control has a 15-second built-in delay function to avoid nuisance cut-outs.

When the boiler stops, the chimney fan stops too. It is, however, possible to pre-set a post-purge period of 3 minutes. The fan can also be connected to be in constant operation. When all boilers are stopped the fan will vent the flue and chimney.

Actual and pre-set under-pressure can be seen in the display. All electrical connections in the control box are connected to green light diodes, which make the supervision and fault finding easy.

EXHAUSTO Controls are supplied with a 2 year warranty.

EXHAUSTO is certified according to ISO 9001 (Certificate No.: 31397).



Description	Data
EBC 12	
Height x width x depth	147 mm x 175 mm x 75 mm
Degree of protection/material	IP 54/ABS
Supply voltage (A)	230 V AC +10/-10%, 50/60 Hz
Fuse (B)	T5 A
Ambient temperature	-20°C to 50°C
Boiler thermostat input (C)	10 - 230 V AC/DC
Boiler output relay (D)	Max. 8 A/230 V
Chimney fan output (E)	Max. 3 A
Dipswitch options (F)	<ul style="list-style-type: none"> ● Manual/automatic reset after fail-safe lock-out ● Post-purge period 3 minutes ● Pressure Differential Switch (PDS-Check)
0 - 10 V Output (G)	Max. 10 mA
XTP-Sensor	
Height x width x depth	120 mm x 139 mm x 70 mm
Degree of protection	-IP 54
Ambient temperature	-20°C to 60°C
Pressure range	5 - 150 Pa

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