Constant pressure control

EBC10v2

The EBC10-Automatic is an automatic control with a pressure transducer (XTP) for one boiler or other installations with one heat source.

With the help of the XTP sensors, which are installed in the chimney, the low pressure is monitored and maintained by regulating the speed of the chimney fan. The control has inputs and outputs for one boiler.

The EBC10 automatic also offers the possibility of an external entry point for a pressure switch or alarm sensor as well as the possibility of an alarm exit point for example for a building management system.

When the boiler or the heating system starts, a signal is sent to the EBC10 which starts the chimney fan at full speed. When the control receives the signal that the desired chimney vacuum has been reached, a signal is sent to start the boiler's burner.

The necessary chimney draft is therefore always guaranteed when you start the boiler, thereby the best and most economical operating conditions are ensured.

If the chimney draft falls below the required level, the speed of the chimney fan is regulated until the required chimney draft is reached.
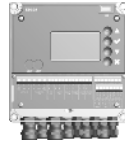
The EBC10 has an external alarm output for integration into a building management system, etc.

exodraft
Your energy. **Optimized.**

Models

	EBC10V2EU01	Terminal
Front cover	Transparent (indoor installation)	
Power supply IN [V]	1x 230 V / 50 Hz	1, 2, 3
Fan max. power consumption [W]	600	4, 5, 6
Fan max. motor load [kW/hp] (Output Power)	0.35 / 0.5	4, 5, 6
Output TRIAC [VAC]	10-230	4, 5, 6
Control and alarm relay	230 VAC/4A AC1 - 24 VDC/2A DC1	9, 10, 11, 14, 15
Boiler inputs	10-48 VDC / 10-230 VAC	12, 13
Selections of pressure [Pa] with XTP-150 (default)	0-150 (0-250)	22, 23, 24
Sensor range [Pa]	-500 g +500	22, 23, 24
Max sensor load [mA]	80 max.	22, 23, 24
24V VDC power supply [mA]	100 max.	28, 29
24V buzzer signal [mA]	80 max.	33, 34,35
IP-rating	IP 54	
Fuse [A]	4.0T	
Operating temperature [°C]	-20 to 50	
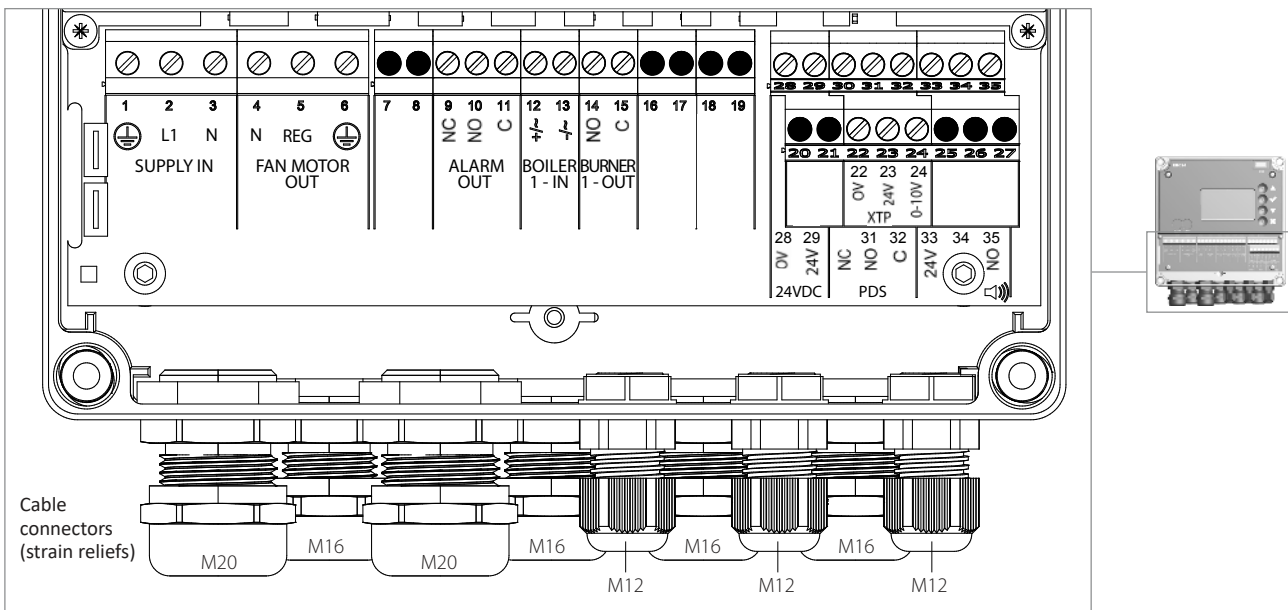
● = not available on this model

exodraft
Your energy. Optimized.

Dimensions

	EBC10V2EU01
(W)idth [mm]	175
(H)eight [mm]	175
Depth [mm]	110
Weight [kg]	1.5

XTP-150 sensor*

Power supply [VDC]	24 VDC (+/- 15%)
IP-Rating	IP 54
Output [VDC]	0-10 VDC, max. 10 mA
Operating temperature [°C]	-25 to 50
Tolerance [Pa]	+/- 5%
Dimensions [mm]	80 x 82 x 55.5
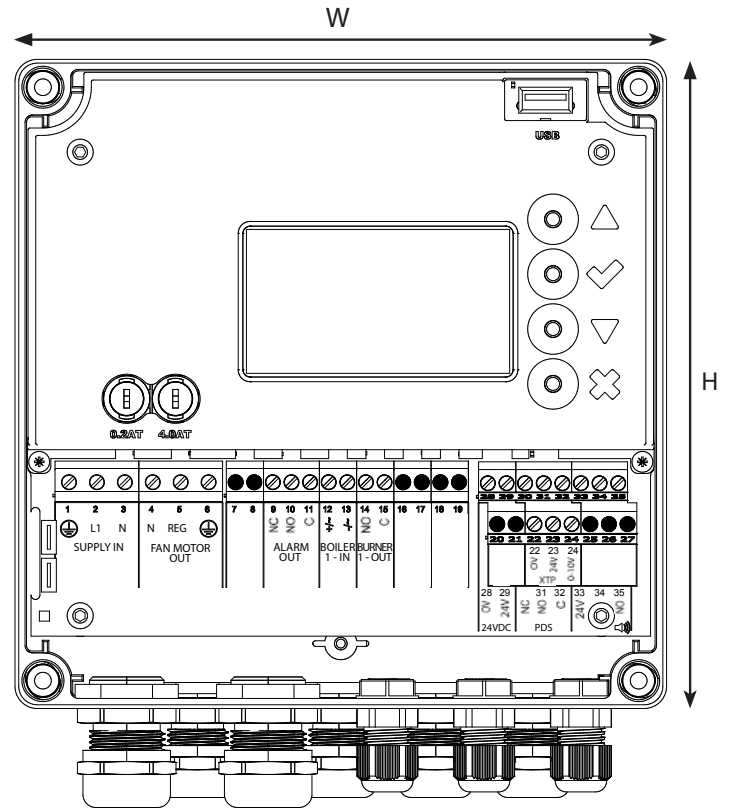
*The XTP-150 sensor is a pressure transducer (supplied with EBC10v2) to be used in conjunction with an EBC10v2 unit and a stack probe. It is positioned near the chimney and measures the pressure in the chimney, allowing the EBC10v2 to control the chimney draught.

EBC10v2

XTP-sensor

Stack probe

Max. 100 m

Max. 2 m

exodraft
Your energy. **Optimized.**