

Fan Control EFC 211

Use

The EFC 211 Fan Control monitors and maintains proper draft in wood-fired heating appliances by maintaining the proper speed of a chimney fan. The EFC 211 is designed for use with RS, RSV, RSIF, RSIB, and GSV fans and is for indoor installation only.

Typical uses are: 1) controlling the speed of a chimney fan used with a wood-fired fireplace or stove or 2) controlling the speed of a chimney fan used with a wood-fired pizza-oven in a restaurant kitchen.

Description

The EFC 211 consists of a control box and a speed control unit. Install the control box on the outside of the chimney or inside an attic. Install the speed control unit in the room where the heating appliance is located.

Set the fan control to produce the desired fan speed or draft. The chimney fan starts with a 15 second boost to assure proper fan operation. During this time, the green LED on the control panel will flash. After 15 seconds, the chimney fan will continue to operate at the set speed.

The fan control constantly monitors the chimney fan operation. It measures the current draw of the motor to determine if there is adequate draft in the chimney. If there is insufficient draft, the control sends a signal to increase the fan speed.

If the draft remains inadequate, the control runs the fan at maximum speed for 15 seconds. During this time, the green LED will flash – as it does during start up. If the draft is adequate, the chimney fan will continue to operate at the set speed.

If the green LED flashes during normal operation (after start-up), it may be an indication that the minimum current in the power supply is set too low for the fan to operate. The factory setting for the motor power supply is 65VAC.



If the red LED flashes and buzzer sounds, the following may have occurred: defective chimney fan, blocked flue or disconnected power supply. The control can be reset, and the alarm turned off, by pressing the reset button for 1-2 seconds.

When used with a solid-fuel fired appliance and smoke detector, an alarm shall be installed and maintained in accordance with NFPA72, National Fire Alarm Code.

Material

The control is mounted on a 4"x4" standard junction box steel cover and is designed for installation in a standard 4"x4" weatherproof junction box. The fan speed control unit is designed for installation in a regular indoor 2"x4" wall box.

Listings

ETL listed to UL378 – Standard for Safety Draft Equipment and CSA B255-M81-CAN3 - Mechanical Flue-Gas Exhausters

Complies with NFPA211 Standard for Solid-fuel Chimneys and Fireplaces.

CE compliant

Manufactured at ISO9001 certified plant

Warranty

2 year factory warranty

Specifications

EFC 211 Control Box		
Power Supply	V	120/1/60 VAC
Amperage	A	5.8
Operating Temperature	°F / °C	-4 to 122 / -20 to 50
Dimensions	A in/mm	4.56 / 116
	B in/mm	4.56 / 116
	C in/mm	1.00 / 25
Weight	lbs/kg	1.3 / 0.6
EFC 211 Speed Control		
Power Supply	V	120/1/60 VAC
Amperage	A	5.8
Operating Temperature	°F / °C	-4 to 122 / -20 to 50
Output	VAC	10-120
Dimensions	D in/mm	2.73 / 69
	E in/mm	4.44 / 113
	F in/mm	0.50 / 13
	G in/mm	1.00 / 25
Weight	lbs/kg	1.3 / 0.6

