

ENERVEX

ADC100 FAN CONTROL

3912051 06.17

Product Information

Use

The ENERVEX ADC100 Appliance Draft Control is used to control draft in systems where modulation is not required. It controls the speed of the fan to maintain proper pressure in the chimney. The ADC100 is for indoor installations only. The control can be used with Models RS and GSV Fans.

The ADC100 is typically used to control the draft of a gas-fired furnace, fireplace, stove, or pizza oven.

Description

The ADC100 comes with an external PDS. The PDS is a NO/NC switch that monitors the pressure in the chimney.

The ADC100 operates a chimney fan at a set speed to create and maintain proper mechanical draft at the outlet of a heating appliance(s). The control provides a 10-120 VAC signal to single phase fans, as well as a 0-10 VDC signal that can be used to control 3-phase fans by a variable frequency drive.

The ADC100 comes with an external PDS. The PDS is a NO/NC switch that monitors the pressure in the chimney. In case of inadequate draft, the PDS will open and if open for 15 seconds, the control will go into alarm mode and lock out the appliance until draft is restored.

The control features a manual and automatic adjustment mode which is selected via dipswitch. The PDS check function and manual or automatic reset function are also selected through a dipswitch.

An integrated damper relay allows a damper to be connected directly to the ADC100. The control ensures that the damper is fully open before allowing the appliance to operate by interlocking the damper end-switches to the control. In the event that the controller senses any mechanical failures, the control will initiate a retry sequence.

Material

The enclosure is made of NEMA 1 rated ABS plastic.

Standard Equipment

- ADC 100 Control Box
- PDS Proven Draft Switch Box
- Stack Probe
- 6' Silicone Tubing



Listings

The ADC100 Fan Control is ETL Listed in the U.S. and Canada:

- UL 508 Standard for Industrial Control Equipment (17th Ed.)
- CSA C22.2 No. 14-05- Standard for Industrial Control Equipment

Warranty

2-Year Factory Warranty. Complete warranty conditions are available from ENERVEX Inc.



Intertek

Specifications are subject to change without notice.

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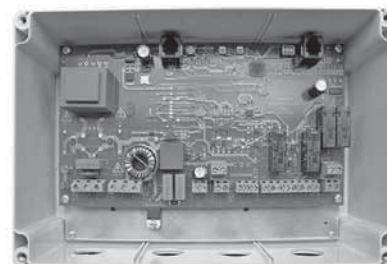
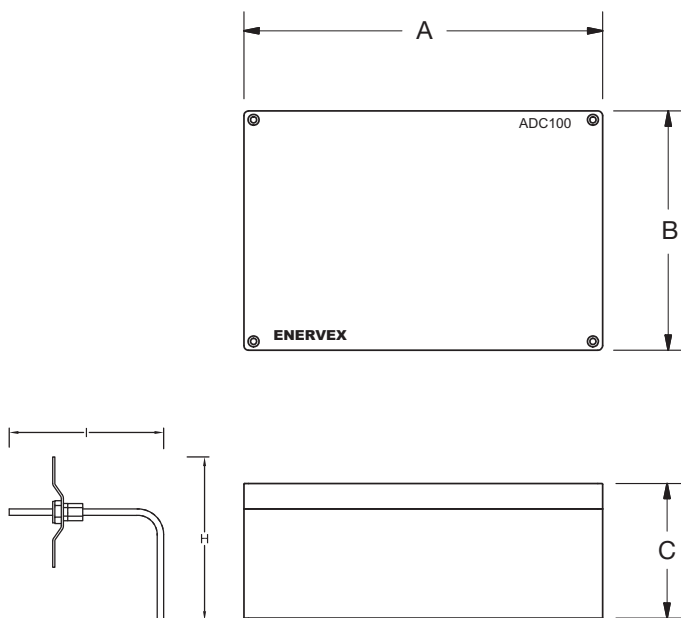
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Specifications

ADC100 Control		
Power Supply	V	1x120VAC
Amperage	A	7.0
Operating Temperature	°F / °C	-4 to 122 / -20 to 50
Control signal	mA	Max. 10
Control relay		Max. 120 VAC / 8A
Output	VAC	10-120
	VDC	0-10
Post Purge Time		0-3 Minutes
Alarm Delay Time		15 Seconds
Dimensions	A in / mm	9.6 / 244
	B in / mm	6.3 / 160
	C in / mm	3.5 / 90
Weight	lbs / kg	2.6 / 1.2
Stack Probe		
Dimensions	H in / mm	4.25 / 108
	I in / mm	3.50 / 89



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