

ENERVEX®

EBC 24x MOTOR POWER RELAY

020.3052.01.20

Product Information

Use

The EBC 24x Motor Power Relay is used in conjunction with an ENERVEX Control Panel to operate multiple single-phase ENERVEX intake or exhaust fans. The main control will regulate the fan functions while the EBC 24x acts as an external motor speed control. The main control powers each EBC 24x through a 0-10 VDC signal. Controls compatible with the EBC 24x are the EBC 8, EBC 12, EBC 14, EBC 30, EBC 31, EBC 35 and MEC 24.

Description

The EBC 24x allows the main control to handle multiple single-phase ENERVEX fans by increasing the system's motor load capacity. One fan is connected to the main control while additional fans are connected to one or more EBC 24x's. The table at the bottom of the page displays the number of each type of ENERVEX fan that can be connected to a single EBC 24x.

The features of the main control panel apply to each EBC 24x connected. The main control will regulate the speed of all fans in use.

All terminals have a LED for fail-safe supervision and easy troubleshooting.

Material

Enclosure is made of polycarbonate and is NEMA 4x rated.

Standard Equipment

- EBC 24x Control Box

Listings

The EBC 24x is UL Listed in the U.S. and certified for Canada under Underwriters Laboratories Inc. file no. E484712:

- UL 378 Standard for Draft Equipment
- UL 60947-4-1 Standard for Industrial Control Equipment
- CSA C22.2 No. 14-10 Standard for Industrial Control Equipment

Approvals

- CE Compliant
- Manufactured at ISO9001 certified plant

Warranty

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



UL File E484712

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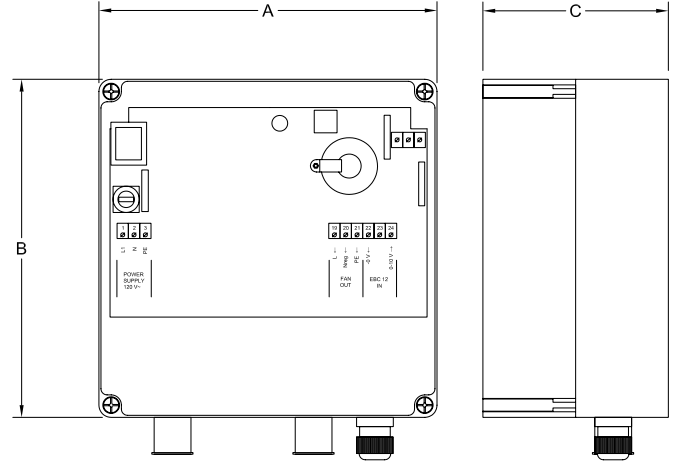
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Specifications

EBC 24x Control		
Power Supply	V	1x120V AC
Amperage	A	6.3
Operating Temperature	°F/°C	-4 to 122/-20 to 50
Dimensions	A in/mm	6.9/175
	B in/mm	6.9/175
	C in/mm	3.8/96
Weight	lbs/kg	2.8/1.3



Fan Model (single phase motor)	# per EBC 24x	Amperage draw per fan	Total amperage draw
RS 009 RSV 009	12	0.5	6.0
RS 012 BESF 146 RSIF 146	5	1.2	6.0
RS 014 RSV 012 RSV 200	4	1.4	5.6
RSV 014 RSV 250 BESF 160 RSIF 160 EFV 250 GSV 250	2	2.9	5.8
RS 016	1	3.9	3.9
RSV 016 RSV 315 BESF 180 RSIF 180 BESB 250 EFV 315 GSV 315	1	5.8	5.8

Specifications are subject to change without notice.

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