

Motor Power Relay

EBC 12x

Description

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

Functions

The EBC 12x allows the main control to handle multiple single-phase EXHAUSTO 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 12x's. The table at the bottom of the page displays the number of each type of EXHAUSTO fan that can be connected to a single EBC 12x.

The features of the main control panel apply to each EBC 12x 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

The EBC 12x housing is made of IP54/NEMA3 rated polycarbonate.

Warranty

2-year factory warranty

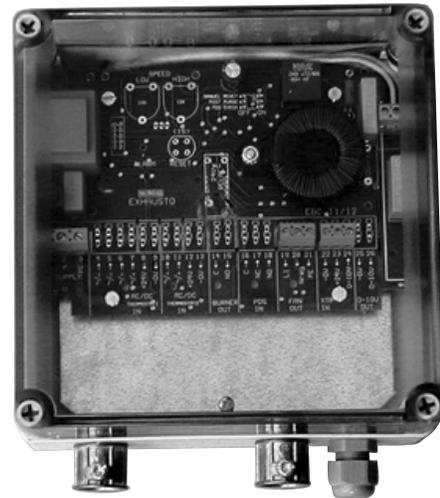
Listings

ETL Listing # 1090205550D

Listed to UL 508, 16th edition

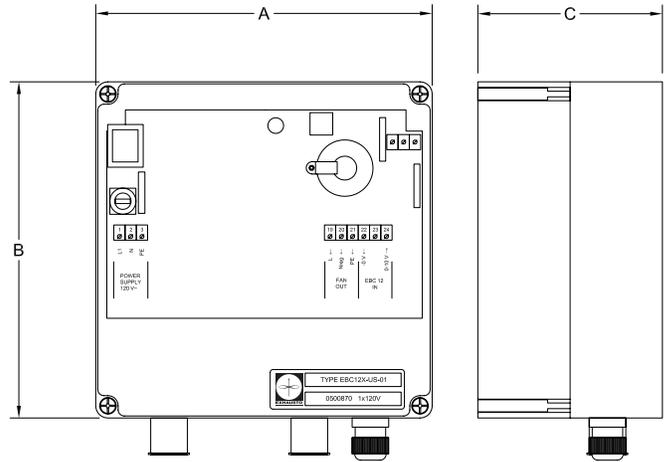
CSA C22.2 No. 14-95 Standard for Industrial Control Equipment

Manufactured at an ISO9001 certified plant



Specifications

| EBC 12x 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 12x | 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 | 2 | 2.9 | 5.8 |
| RS 016 | 1 | 3.9 | 3.9 |
| RSV 016 RSV 315 BESF 180 RSIF 180 BESB 250 RSIB 300 | 1 | 5.8 | 5.8 |