

Combination Tor-AC Rectifiers *and* Line Filters ~ For Stearns AAB Brakes - all sizes

Application

Stearns has upgraded the Tor-AC rectifier line by now including line filters. This new combination product can be used for AC Drive applications and whenever electrical filtering is required, to protect the rectifier from high-frequency electrical line pulses.

This combination product is easier to use than installing/wiring separate components - and the cost is lower.

Use with any size Stearns AAB brake.
Mounting (for all models) with #8 screws or double sided tape.



Stearns Part Number - Combination Tor-AC Rectifier and Line Filter	AC Input (Volts)	DC Output (Volts)	Rectifier Type	Recommended Coil Rating (Volts)	Brake Coil Voltage - Letter Designation	Connections	Maximum Current (Amps)	List Price
412029401K	230	207	Full	205	M	Terminals	0.6	\$230
412029402K	230	207	Full	205	M	Leadwires	0.6	\$230
412049404K	460	414	Full	414/432	B	Terminals	0.3	\$204
412049405K	460	414	Full	414/432	B	Leadwires	0.3	\$204
412049411K	460	207	Half	205	M	Terminals	0.3	\$204
412049412K	460	207	Half	205	M	Leadwires	0.3	\$204
412049413K	460	207	Half	205	M	Terminals	0.6	\$374
412049414K	460	207	Half	205	M	Leadwires	0.6	\$374
412059411K	575	259	Half	258	S	Terminals	0.6	\$204
412059412K	575	259	Half	258	S	Leadwires	0.6	\$204

Switching (for all of above) - AC side only

Ordering Information

Use the above part number to order - either as an accessory with a new brake, or as a replacement unit. For more information, contact your local Stearns Representative.



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for Consistent Quality and Innovation

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INSTALLATION AND SERVICE INSTRUCTIONS

Important

Please read these instructions carefully before installing, operating, or servicing your Stearns brake and rectifier. Failure to comply with these instructions could cause injury to personnel and/or damage to property if the brake is installed or operated incorrectly. For definition of limited warranty/liability, contact Rexnord Industries, LLC, Stearns Division, 5150 S. International Dr., Cudahy, Wisconsin 53110, (414) 272-1100.

OEMs and subsystem suppliers, please forward these instructions with your components to the final user.

Caution

1. Servicing shall be in compliance with applicable local safety codes including Occupational Safety and Health Act (OSHA). All wiring and electrical connections must comply with the National Electric Code (NEC) and local electric codes in effect.
2. To prevent an electrical hazard, disconnect power source before working on the brake. If power disconnect point is out of sight, lock disconnect in the *off* position and tag to prevent accidental application of power to system.

3. Maximum operating ambient temperature for these rectifiers should not exceed 65°C (150° F).
4. Refer to specific brake Installation and Service Instructions for proper mounting of brake.
5. When use of these rectifiers is in conjunction with a motor operated by a variable frequency drive, the input wiring to the rectifier should be run in a wireway that does not contain the motor wires. Shielded cable should be used in applications where the rectifier and motor wires must be run together.

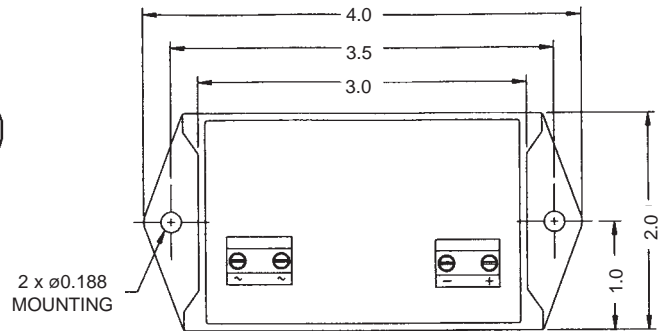
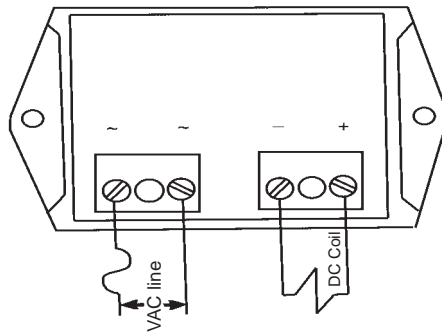
Wiring

Note 1: For screw terminal rectifiers only, check that terminals are fully opened *before* inserting wires. Maximum #16 AWG.

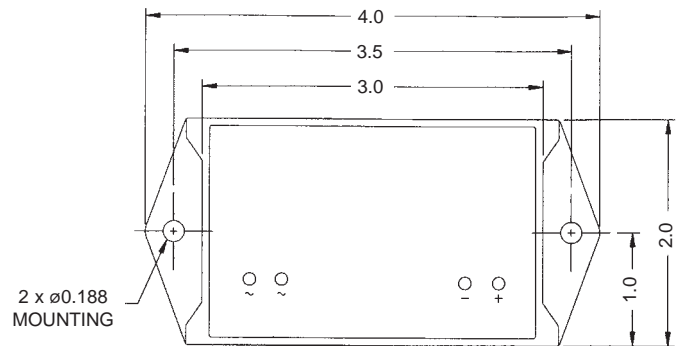
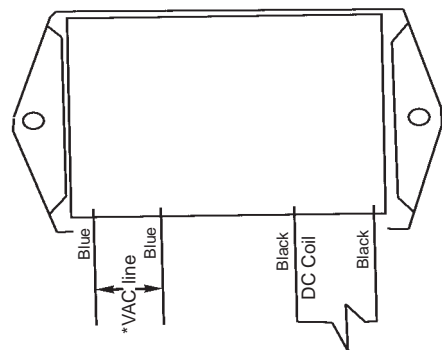
1. Connect coil leadwires to DC OUTPUT side rectifier. (Polarity does *not* matter.) Tighten screw terminals, or wire nut, as required.
2. Connect rectifier input AC INPUT to AC power source. Tighten screw terminals, or wire nut, as required.

Note 2: For each nominal AC line voltage, use table (on reverse side) to determine the proper DC coil rating requirement.

Part Number	Replaces P/N
412-0294-01K	412-0290-11K
412-0494-04K	412-0492-02K & 412-0492-04K
412-0494-11K	412-0494-02K
412-0494-13K	412-0497-02K
412-0594-11K	---



Part Number	Replaces P/N
412-0294-02K	---



Part Number	Replaces P/N
412-0494-05K	412-0492-03K
412-0494-12K	412-0494-01K
412-0494-14K	---
412-0594-12K	---

