

Installation and Service Instructions for Stearns AAB Quickset Full Wave Rectifiers

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, Inc., Stearns Division, 5150 S. International Dr., Cudahy, Wisconsin 53110, (414) 272-1100.

OEM's 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. Do not switch the brake from DC side of Quickset rectifier.

Wiring

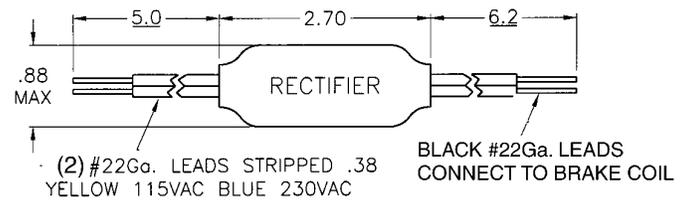
1. Connect brake coil leadwires to DC OUTPUT side rectifier (black leads). Polarity does *not* matter. Tighten screw terminals, or wire nut as required.
2. Connect rectifier input AC INPUT to AC power source. Tighten screw terminals, or wire nut as required.
3. Quickset rectifier is intended to be wired across the switched side of the motor input lead pair; no separate brake switch is required.

Note: For each nominal AC line voltage, use table to determine the proper DC coil rating requirement.

Table

Line Voltage (AC)	Rectifier Type	Recommended Coil Voltage Rating	Stearns Rectifier Part Number	Rectifier Output Voltage
115	full	103	538002201	103 Vdc
230	full	205	538002101	207 Vdc

Rectifier current rating .25 amp.



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