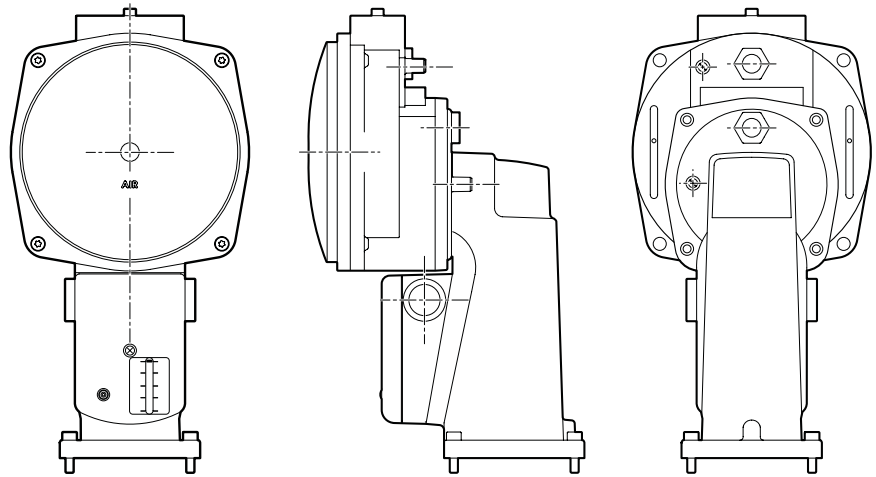




Installation

Gas Valve Actuator Wiring Instructions

For ACT00473



Models: ACT00473, MOT08836, SFHF 20 to 75 ton, SFHG 90 to 130 ton

PART-SVN101A-EN



Installation

Literature change history

PART-SVN101A-EN (October 2006) manual first release.

Warnings and Cautions

NOTICE: Warnings and Cautions appear at appropriate sections throughout this literature. Read these carefully.

⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION: Indicates a situation that may result in equipment or property-damage only accidents.

Instructions

Siemens is replacing their SKP70 actuator (MOT08836) with a single body SKP75 actuator (ACT00473). There are some minor changes to the body of the actuator and to the wire termination and connection points. The physical mounting of the actuator in the unit is interchangeable. This actuator is used on our 20 -130 ton rooftop units.

⚠ WARNING **Hazardous Voltage w/Capacitors!**

Disconnect all electric power, including remote disconnects and discharge all motor start/run capacitors before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized. Verify with an appropriate voltmeter that all capacitors have discharged. Failure to disconnect power and discharge capacitors before servicing could result in death or serious injury.

Note: For additional information regarding the safe discharge of capacitors, see PROD-SVB06A-EN or PROD-SVB06A-FR.

The old part is MOT08836. The new part is ACT00473.

No additional hardware is needed to install the wires to the new actuator. The following four wires connected to the original part should have the old forked terminals cut off. Then strip the wire insulation off about 1/4 inch and place in the clamp style terminal on the new actuator.

Wire 193G Terminal 6
Wire 368A Terminal 5

Wire 184P Terminal N
 Wire 203G Terminal L

Please be aware that the terminal designations on the new actuator motor is different from the MOT08836. An example is the POC switch, which has changed from terminals 4-6 to 5-6.

All other physical connections made to the pressure ports are the same.

The adjustment factors on the coarse and fine adjustments do not change. Therefore, current standard operating procedure should not change.

Figure 1. Original MOT08836 Terminal connections, ref. 23093409

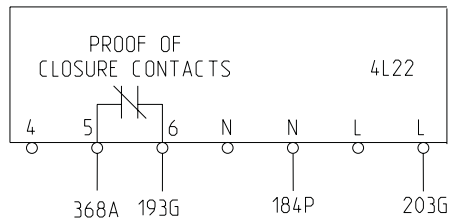
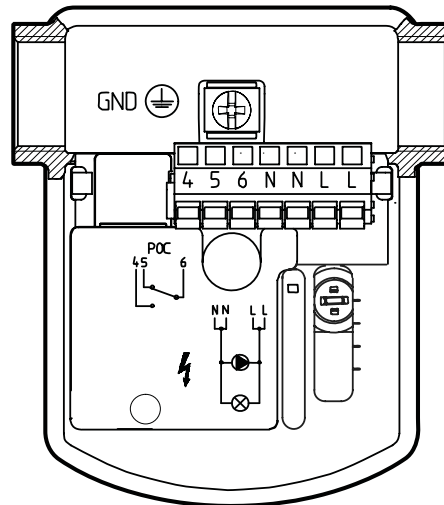


Figure 2. New ACT00473 Terminal designations





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