These “Level-Temp” controls have been designed to operate with a low-voltage electric heat thermostat to provide a system for controlling electric warm air heaters and electric radiant heating devices such as duct heaters, wall heaters, baseboards, floor and ceiling cable heaters. When required, two or more Level-Temp Silent Operators can be operated by one two-wire low voltage thermostat.

**SPECIFICATIONS**

- **Temperature Range:** -20° to 140°F (-29°C to 60°C)
- **Thermal:** Average time delay: 45 seconds
- **Switch Action:** Single pole single throw (normally open)
- **Accuracy:** ±1.5°F, 120V
- **Power Source:**
  - 208VAC - 240VAC, 277 VAC, 50 - 60Hz
- **Mounting:** ½” conduit hub or mounting tabs with several break-offs for 2, 3 or 4 hole mounting.

**FEATURES**

- Silent remote control of large wattage.
- Loads (heaters) can be accurately done by using these relays.

**TECHNICAL**

- 25 Amps.
- 240 Volt.
- 24 Volt control.
- ½” Threaded hub.

**INSTALLATION**

This relay should be installed at the power panel. Other locations include the junction box of the heater or the remote junction box near the heater. When tying relays together make sure they are in phase. Reading zero Volts between low voltage control leads will confirm proper phasing.
transformation relays

24A01G-3 WIRING

Fig. 1. Diagram of “LEVEL TEMP” wiring

Fig. 2. Baseboard heaters with limit

Fig. 3. Typical wiring diagram to “Sequence” two or more loads

NOTE

USE THERMOSTAT WITH A 2A FIXED HEATER, OR SET ADJUSTABLE HEATER IN THERMOSTAT AT 2A.
Basic Silent Operator components are a line-to-low voltage transformer, a low voltage bi-metal heater, an ambient compensating bi-metal and a normally open single pole single throw line voltage snap-action switch. In operation a circuit is completed through the bi-metal heater as the low voltage room thermostat closes its contacts. In approximately 45 seconds the warping action of the heater closes the line voltage switch to energize the heating load. When the thermostat opens its contacts the bi-metal heater cools for approximately 45 seconds before the line voltage switch opens to de-energize the heating load.