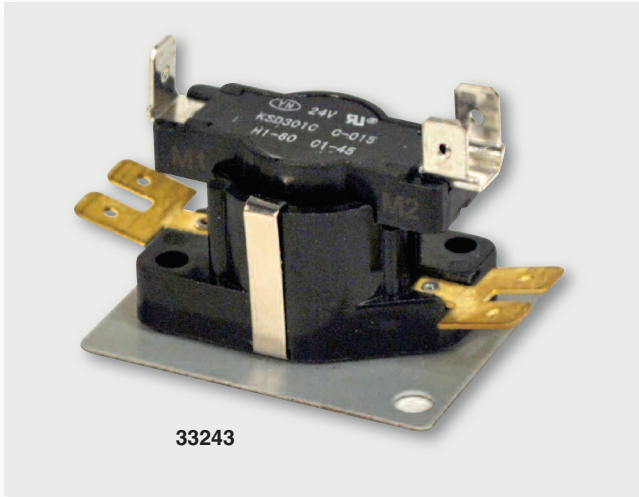


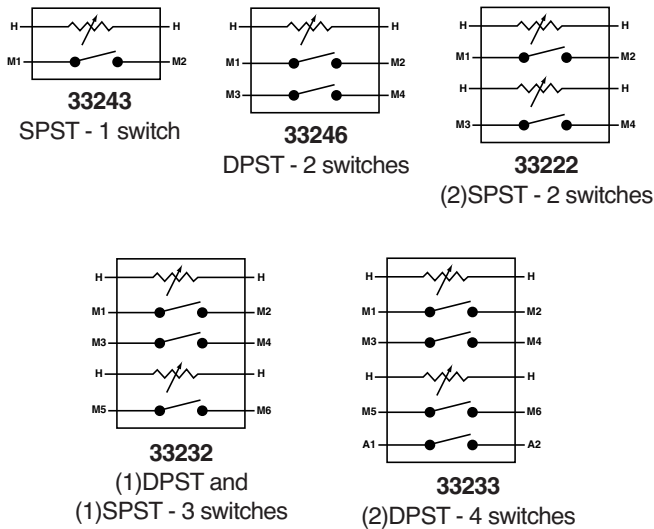
Relays & Sequencers

MARS SERIES **332**



33243

Schematic



Electric Heat Sequencers

A new simple method for selecting and replacing electric heat sequencers with only five basic controls. Replace sequencers in almost any existing system.

Sequencer selection:

- A. Determine the number of circuits to be switched. (Electrical rating of auxiliary switch same as main switch.) When more than one (1) sequencer is required the sequencers are to be wired in series with the last switch in each sequencer energizing the control circuit of the next sequencer.
- B. Select from the chart the sequencers needed for the number of circuits to be switched. These sequencers may be wired in series to allow sequencing of virtually any number of heating elements and fans.

If the sequencers control the fan/blower circuit, the first switch (M1-M2) of each sequencer must always control the fan. This provides a fan interlock to insure that the fan will remain on until all elements are de-energized.

Features:

- *Solid State dependability*
- Replaces Honeywell and White-Rodgers
- Ambient rated from 20°F. to 160°F.
- Used on both separate blower and element and combination blower and element systems
- Total 24 Volt control
- Standard *double quick-connect terminals* for combination fan and element systems
- Full-load-rated auxiliary contacts
- 7.2 KW combination fan and element rated contacts (23A. resistive, 7A. motor load)
- *Non-positional*
- *Voltage and ambient self compensating* positive temperature coefficient (PTC) heater elements
- Individually packaged with wiring diagrams for up to seven element furnaces.
- UL and CSA listing available

Contact Rating Chart

| VAC | RES AMPS | FLA | LRA | PILOT DUTY VA |
|-----|----------|-----|-----|---------------|
| 120 | 30 | 23 | 84 | 672 |
| 240 | 30 | 23 | 60 | 960 |
| 277 | 23 | 23 | 42 | 775 |
| 480 | 12.5 | 5 | 10 | 400 |

| NO. OF SWITCHES | MARS NO. | REPLACES KLIXON NO. | Switch Sequence | | SWITCH TIMING: MIN-MAX IN SECONDS | | | | | | | | | |
|-----------------|----------|---------------------|-----------------|--------------|-----------------------------------|-------|----------------------------------|-------|----------------------------------|------|--------------------------------------|------|----|-----|
| | | | FIRST ON | LAST ON | Switch No. 1 (Terminals M1 / M2) | | Switch No. 2 (Terminals M3 / M4) | | Switch No. 3 (Terminals M5 / M6) | | Switch No. 4 (2) (Terminals A1 / A2) | | | |
| | | | LAST OFF | FIRST OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF |
| 1 | 33243 | 6000AOM | (1) | | 1-60 | 1-45 | | | | | | | | |
| 2 | 33246 | 6000EOM | (1) | | 1-60 | 1-45 | 1-60 | 1-45 | | | | | | |
| 2 | 33222 | 51172-22 | No. 1 | No. 2 | 1-24 | 45-75 | 30-70 | 1-40 | | | | | | |
| 3 | 33232 | 51172-32 | No. 1, No. 2 | No. 3 | 1-24 | 45-75 | 1-24 | 45-75 | 30-70 | 1-40 | | | | |
| 4 | 33233 | 51172-33 | No. 1, No. 2 | No. 3, No. 4 | 1-24 | 45-75 | 1-24 | 45-75 | 30-70 | 1-40 | 30-70 | 1-40 | | |