24A34-3

MODEL 24A34 ELECTRIC HEAT SEQUENCERS

Direct Replacement for Most Fan/Heat Sequencing Functions.
Terminal Markings are Equivalent to Competitive Types

FEATURES

- Replaces Honeywell, MARS, TOD, GEMLINE, Klixon (Texas Instruments).
- 24V input control.
- Multi-poise mounting.
- Any contacts (except M1 & M2) can be used as auxiliary contacts.
- Double quick-connect terminals for combination loads.

SPECIFICATIONS

Ambient Temperature Rating . . . . . –50 to +165°F
Agency . . . . . U.L. component recognized

ELECTRICAL RATINGS – SINGLE LOAD CONTACT RATINGS (ALL MODELS)

VAC	Resistive (Non-Inductive) Watts	Resistive (Non-Inductive) Amps	Motor Ratings (Inductive) Full Load	Motor Ratings (Inductive) Locked Rotor	Pilot Duty
120	3000	25.0	10.0A	60.0A	125 VA
240	6000	25.0	5.0A	30.0A	125 VA
480	6000	12.5	3.0A	18.0A	480 VA

COMBINED LOAD RATING TABLE (ALL MODELS)

30A @ 240 VAC – TOTAL,
23A Non-Inductive + 7 FLA/42 LRA Inductive,
ON Time: Elapsed time to make contacts after heater is energized (min. to max.)
OFF Time: Elapsed time to break contacts after heater is de-energized (min. to max.)

TABLE NOTES:
① M1-M2 and M3-M4 are always first switches to turn ON and last to turn OFF. All other switches are random ON and random OFF
② 24A34-14 Switch contacts designated F_1 - F_2 instead of M_1 - M_2
③ 24A34-28 is 2 pole double throw
♦ These contacts switch simultaneously

NOTE: Underwriters Laboratories requires a fan interlock circuit to insure the blower remains operating whenever more than one sequencer is used. The fan interlock should be the M_1/M_2 contacts of the second or third sequencer. All M_1/M_2 contacts are wired to the blower motor so that any sequencer that is energized will keep the blower ON.

Model Number	Timings	Switches	Timings – ON M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	Timings – OFF M1-M2	M3-M4	M5-M6	M7-M8	M9-M10
24A34-1	1	1	1-20	–	–	–	–	40-110	–	–	–	–
24A34-2	1	1	–	–	30-90	–	–	–	–	1-30	–	–
24A34-3 ①	1	2	1-20 ♦	1-20	–	–	–	40-110 ♦	40-110	–	–	–
24A34-4	1	2	–	–	30-90 ♦	30-90	–	–	–	1-30 ♦	1-30	–
24A34-5 ①	2	3	1-110 ♦	1-110	1-110	–	–	1-110 ♦	1-110	1-110	–	–
24A34-6 ①	2	4	1-110 ♦	1-110	1-110 ♦	1-110	–	1-110 ♦	1-110	1-110 ♦	1-110	–
24A34-14 ①②	4	5	1-160 ♦	1-160	1-160	1-160	1-160	1-160 ♦	1-160	1-160	1-160	1-160
24A34-21	1	1	1-20	–	–	–	–	1-50	–	–	–	–
24A34-22	1	1	15-45	–	–	–	–	1-30	–	–	–	–
24A34-23	1	1	25-55	–	–	–	–	15-45	–	–	–	–
24A34-24	1	1	30-75	–	–	–	–	1-40	–	–	–	–
24A34-25	1	1	40-90	–	–	–	–	1-30	–	–	–	–
24A34-26	2	2	1-20	30-90	–	–	–	40-90	1-30	–	–	–
24A34-27	2	2	1-160	1-160	–	–	–	1-160	1-160	–	–	–
24A34-28 ③	2	2	1-160	1-160	–	–	–	1-160	1-160	–	–	–
24A34-29	1	1	15-35	–	–	–	–	25-55	–	–	–	–
24A34-36	2	2	1-20	30-45	–	–	–	45-110	1-30	–	–	–
24A34-37	1	1	1-110	–	–	–	–	1-110	–	–	–	–

24A34-15 ELECTRIC HEAT SEQUENCERS

FEATURES

- Used in heat pump air handler applications.
- Provides a delay off to the blower motor in cooling mode.
- Single pole double throw.

Model Number	Timings	Switches	Timings ON 1-3	Timings OFF 1-3
24A34-15	1	1	1-60	75-95

ELECTRICAL RATINGS – NORMALLY OPEN CONTACTS 1-3

VAC	Resistive (Non-Inductive) Watts	Resistive (Non-Inductive) Amps	Motor Ratings (Inductive) Full Load	Motor Ratings (Inductive) Locked Rotor	Pilot Duty
120	3000	25.0	14.0A	72.0A	125 VA
240	6000	25.0	7.0A	42.0A	125 VA

ELECTRICAL RATINGS – NORMALLY CLOSED CONTACTS 1-2

VAC	Resistive (Non-Inductive) Watts	Resistive (Non-Inductive) Amps	Motor Ratings (Inductive) Full Load	Motor Ratings (Inductive) Locked Rotor	Pilot Duty
120	1200	10.0	4.1A	8.0A	125 VA
240	1200	5.0	4.1A	8.0A	125 VA