

Sequencers

THERMODISC



Features/Benefits

- Direct replacement for most fan & heat sequencing functions.
- 24 volt input control
- Contacts designated M1 – M2 of a multi timing sequencer will turn on first and turn off last, as required by UL and CSA for electric heating applications.
- Five second on delay between all subsequent stages, unless they function together.

Applications

The SUPCO Q Series Thermodisc Sequencers are field proven for controlling the operation of heating elements and/or blower motors in electric, gas or oil heat systems.

- Electric Furnaces
- Heat Pumps
- Gas Furnaces
- Oil Furnaces

Recommended Sequencer Packages for Electric Heating

Note 1: Auxiliary Contacts: In the above recommended packages, during the ON cycle, the auxiliary contacts complete the control circuit to subsequent 15S sequencers when more than one 15S sequencer is required. The auxiliary contacts may be any contacts in the first 15S sequencer except those marked M1-M2.

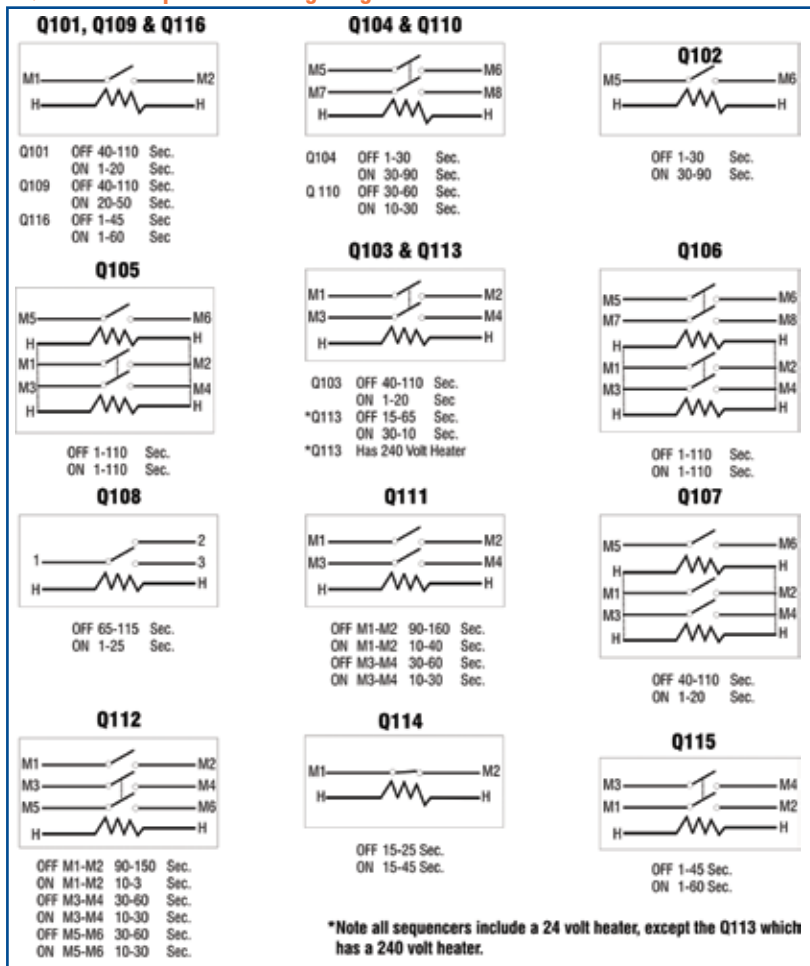
Note 2: Fan Interlock: The recommended combinations which contain more than one 15S sequencer include an extra set of contacts for fan interlock. (These are the first contacts of the second and third 15S sequencers.) A fan interlock is required by Underwriters Laboratories in order to guarantee that the fan will stay on until all elements are de-energized. All of the M1-M2 contacts of each 15S unit would be wired to the fan so that during the OFF cycle, the fan would stay energized regardless of the timing sequence of each package.

Note 3: Main Contacts, Electrical Ratings: 7FLA, 4LRA, 240 VAC inductive or 30A, 240 VAC resistive or 30A, 240 VAC total of inductive or resistive, with 7FLA, 240 VAC maximum inductive.

Note 4: Control Voltage on Heater Terminals (H): 24 VAC nominal (heater rated for 30 VAC/NEMA Class II circuit).



“Q” Series Sequencer Wiring Diagram



Cross Reference

PART NO.	GEM	GLOBAL	MARS	WATSCO	KLIXON	W/R	INTERSTATE ELECTRIC I-9	ZETTLER	OEM
Q101	GS101	24ZC-1	33241	TDR10	6000AONI-98	24A34-1	IES24A34-1	ZC24A341-1	***
Q102	GS102	24ZC-2	33242	TDR15	6000AONI-97	24A34-2	IES24A34-2	ZC24A34-2	***
Q103	GS103	24ZC-3	33244	TDR20	6000AONI-87	24A34-3	IES24A34-3	ZC24A34-3	Janitrol BT1256504 ICP/Carrier HQ1056789
Q104	GS104	24ZC-4	33245	TDR25	6000AONI-86	24A34-4	IES24A34-4	ZC24A34-4	***
Q105	GS105	24ZC-5	33232	TDR30	51172-32	24A34-5	IES24A34-5	ZC24A34-5	***
Q106	GS106	24ZC-6	33233	***	51172-22	24A34-6	IES24A34-6	ZC24A34-6	***
Q107	GS107	***	***	***	***	***	***	***	***
Q108	GS108	***	***	***	***	***	***	***	Goodman B13707-38
Q109	***	***	***	***	***	***	***	***	Janitrol BT1256500
Q110	***	***	***	***	***	***	***	***	Weatherking 422311608
Q111	***	***	***	***	***	***	***	***	Weatherking 422311606
Q112	***	***	***	***	***	***	***	***	Weatherking 422311607
Q113	***	***	33265	***	6000E4	***	***	***	***
Q114	***	***	***	***	***	***	***	***	Coleman 7670-307,308 308,130,913,101
Q115	***	***	33246	***	6000EOM	24A52-1	***	***	***
Q116	***	***	33243	***	6000AOM	24A51-1	***	***	***

*Note all sequencers include a 24 volt heater, except the Q113 which has a 240 volt heater.