



MARS Solid State Timers

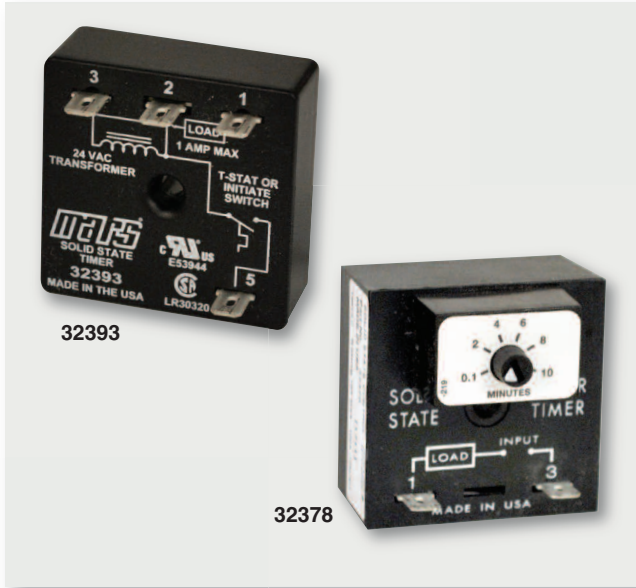
MARS SERIES **325**

MARS Fan Delay/Post Purge Timers

These MARS solid state timers provide for convenient control of a variety of functions.

MARS number 32393 is a fixed 2 minute, 24V off-delay timer that allows the fan to continue to operate after the thermostat is satisfied to purge the ducts of conditioned air.

MARS numbers 32377, 32378 and 32379 are versatile, high amp timers which, depending on installation (see connection diagrams 2 and 3), will perform either on-delay or off-delay functions. On-delay is especially useful for controlling unloader valves. Off-delay can be used for fan off-delay, pump down systems or post purge applications. The off-delay may also serve an anti-bounce function as a pump flutter bypass switch.



32393

32378

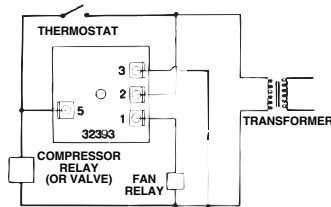


FIG. 1

Features:

- Wide selection of models
- Easy installation
- Compact size
- Mounts in any position
- Totally solid state
- High accuracy

Specifications:

- 100 milliamps minimum latch current

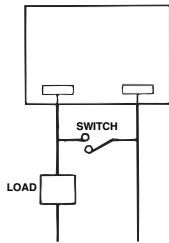


FIG. 2
POST PURGE

WITH THE SWITCH CLOSED, THE LOAD IS ENERGIZED. WHEN THE SWITCH OPENS, THE LOAD REMAINS ENERGIZED AND THE TIME DELAY BEGINS. AT THE END OF THE DELAY PERIOD THE LOAD IS DE-ENERGIZED.

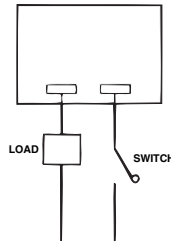


FIG. 3
INTERVAL - ON

WHEN THE SWITCH CLOSSES, THE TIME DELAY BEGINS. AT THE END OF THE DELAY PERIOD, THE LOAD IS DE-ENERGIZED.

MARS NO.	TYPE DELAY	TIME DELAY RANGE	TYPE OF ADJUSTMENT	INPUT VOLTAGE	HZ	MAX AMPS.	VOLTAGE DROP	CONNECTION DIAGRAM
32393	off delay	2 min. fixed	—	24 VAC	50/60	1	2 at 1 amp.	1
32377	off delay/ interval	6 sec...10 min.	dial	24 VAC	50/60	6	2 at 6 amp.	2 or 3
32378	off delay/ interval	6 sec...10 min.	dial	120 VAC	50/60	10	2.1 at 10 amp.	2 or 3
32379	off delay/ interval	6 sec...10 min.	dial	230 VAC	50/60	10	5 at 10 amp.	2 or 3