



# Heat Pump Thermostats

MARS SERIES **330**

COMPONENT



## Heat Pump Defrost Thermostats

MARS heat pump defrost thermostats are designed for direct replacement of most existing controls of this type. The temperature settings and tubing sizes have been carefully selected from the most popular OEM settings. Each MARS thermostat comes complete with extra long 54 inch leads, mounting clamp, and installation instructions for fast and simple field installation.

### Features:

- Four controls cover most requirements
- Tapered mounting edge for maximum heat transfer
- Extra long 54 inch leads for simple wiring
- Individually boxed with mounting clamp and instructions
- UL & CUL listed

### Electrical Ratings:

CYCLES X1000	VOLTS	FLA	LRA	RESISTIVE AMPS	VA
100	120VAC	5.8	34.8	10	125
100	240VAC	2.9	17.4	10	125
30	120VAC	10.0	40.0	—	—
30	240VAC	10.0	40.0	—	—
100	30VDC	—	—	1	—

MARS NO.	OPERATING TEMPERATURES F°		TUBE MOUNTING IN	LEADS IN
	OPEN	CLOSE		
33490	80	30	3/8	54
33492	80	30	1/2	54
33494	65	30	3/8	54
33496	65	30	1/2	54



# MARS Solid State Devices

MARS SERIES **347**



## MARS Heat Pump Defrost Timer

MARS Heat Pump Defrost Timer replaces General Electric and Paragon timers on heat pumps with time initiated and time or temperature terminated defrost systems.

The MARS Heat Pump Timer features a defrost interval adjustment that allows selection of either 90 minutes or 45 minutes between defrost periods.

The MARS Heat Pump Defrost Timer will replace Paragon timers used by Carrier, Bryant, and other OEMs with the addition of a mounting bracket.

### Specifications:

<b>Time Delays:</b>	Digital Interval delay duration: jumper selectable as 45 or 90 min. D faults to 45 min. if jumper wire is not connected.
<b>Defrost Delay Duration:</b>	10 min. or terminated upon the defrost thermostat opening
<b>Defrost Window Delay Duration:</b>	50 seconds
<b>Operating Voltage:</b>	240 VAC +10% - 25%
<b>Output:</b>	relay/contactor output Type - solid state Form - SPDT N.O. Rating - .50 amp steady state
<b>Protection:</b>	25% or greater shutdown
<b>Surface Mount:</b>	With two #6 screws .25 inch male quick connect terminal
<b>Operating Temp:</b>	-40°C to +85°C
<b>Humidity:</b>	95% relative

### Features:

- Adjustable 90 or 45 minute defrost interval
- Replaces GE directly
- Replaces Paragon with bracket
- Telechron S1 motor
- 50/60 Hertz
- UL and CSA listings available

MARS NO.	DEFROST INTERVAL	DEFROST TIMING PERIOD	DEFROST INITIATION	SWITCHING
34790	90 or 45	10	50 Sec.	SPST N.O.



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