

## MARS Solid State Timers

The MARS Delay on Make Timer is designed to delay energization and prevent short cycling. This one unit covers all operating voltages and time delays. The compact timer mounts in any position and features easy two wire installation. UL recognized.

The MARS Delay on Break Timer, dial adjustable is designed to prevent short cycling of air conditioning and heat pump compressors. The compact timers mount in any position and are UL recognized.

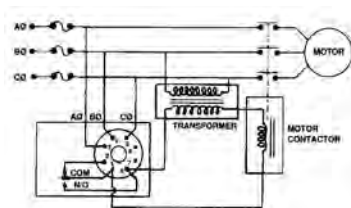


MARS NO.	REPLACES	VOLTAGE	DELAY TYPE	TIME DELAY RANGE	TYPE OF ADJUSTMENT
32091	ICM 105	19-240	On make	6 sec. - 10 min.	Dial
32001	ICM 203	19-240	On break	6 sec. - 10 min.	Dial adj. 2 terminal

## MARS Phase Reversal Protector

### Features:

- Disconnects the motor pilot circuit on loss of one or more phases or when the voltage imbalance between any of the two phases exceeds 7%
- Re-energizes the pilot circuit only when all 3 phases are present and the voltage imbalance is less than 7%
- 208-277VAC, 50-60Hz
- Contact Rating: NO/NC (type "C") 5A/240V, 10A/120V
- 1/4" male spade terminals
- Compact design: 2.35" x 2.425" x 1.1"



### Phase Reversal Protector

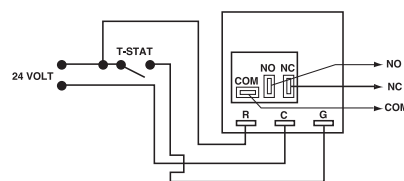
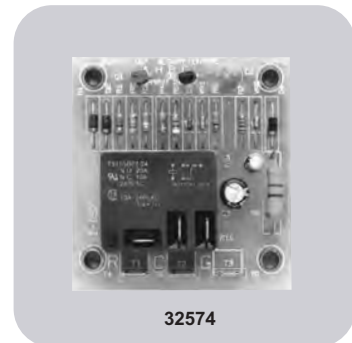
MARS NO.	NOMINAL VOLTAGE	INPUT VOLTAGE	SPDT RELAY CONTACTS AMP RATING
32532	240 VAC	175-255 VAC	10 amps res.
32534	480 VAC	380-500 VAC	8 amps res
93057*	8 Pin Octal Base, 35mm Din Rail or Surface Mount		

\* Base not included

## Fan Time Delay Module

The MAHBC fan time delay module is a replacement for the direct motor control used by leading OEMs in high efficiency residential central air conditioning systems. The purpose of the control is to keep the blower motor running for 60 seconds after the thermostat has been satisfied. The result is an increase in residual cooling from the indoor coil without running the condensing unit, and thus, higher energy efficiency.

The MAHBC is ideal for retrofit where improved efficiency is desirable.



### Features:

- Wide ambient temperature operating range -40°F to 175°F
- 1/4" male quick connect terminals
- Easy surface mount with four #6 screws
- UL and CSA recognized

### Cross Reference

OEM	PART NO.
BARD	8201-056
RHEEM	42-22515-01
SNYDER GENERAL	0001395336

MARS NO.	MARS MODEL	VOLTAGE	OUTPUT 120V	OUTPUT 240V	TIME DELAY	ACTION
32574	MAHBC	24VAC	1 HP	2 HP	60 SEC.	SPDT

## MARS Bypass Timer

MARS 32395 is an adjustable, multi-voltage bypass timer that allows the temporary bypass of a control or device during start-up. At the end of the delay period the control is returned to the circuit.

Eliminate nuisance trips!

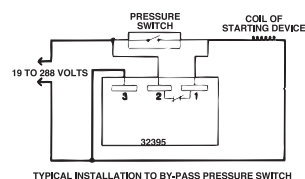


FIG. 1

Low pressure switch bypass application.

FIGURE 1  
LOAD IS BYPASSED ON RETURNS TO CIRCUIT AFTER DELAY PERIOD.

MARS NO.	TYPE DELAY	TIME DELAY RANGE	TYPE OF ADJ.	INPUT VOLTAGE	HZ	MAX AMPS	VOLTAGE DROP	CONN. DIAGRAM
32395	by-pass	6 sec...8 min.	dial	19...240VAC	50/60	1	2 at 1 amp.	1