



# MARS Current Relays

MARS SERIES **270**



MARS 27000 Series  
Current Relay

## MARS "One-on-One" Current Relays for Tecumseh Applications

MARS brand current relays were designed by GE for Tecumseh compressor applications. Tecumseh compressors, utilizing current relays designed by GE can be found in refrigerators, freezers, water coolers, pumps and vending machines.

### Features:

- Reliable rugged GE 3ARR12 design
- Replaces plug-on, bracket-type, split phase and capacitor-start current relays
- Clearly labeled terminals for fast wiring

### Cross Reference

MARS NO.	GE NO. 3ARR12 PAC	MAX PICK-UP	MIN DROP OUT
27035	172S	30.5	25
27036	178S	10.4	8.5

TECUMSEH PART NO.	MARS NO.
82481-1	27035
82489-1	27036



## Universal Replacement

12 MARS current relays manufactured by General Electric can replace almost any current relay found on refrigerators, freezers, water cooler, pumps and vending machines.

### Features:

- Replace plug-on, bracket-type, split-phase, and capacitor-start current relays
- Covers replacement needs of 1/12 H.P. 115V to 1-1/2 H.P. 230V and parts kits
- Clearly labeled terminals for fast wiring
- Each relay packaged with installation instructions and wiring diagrams
- UL and CSA listings available

MARS NO.	GE NO. 3ARR12 PAC	MAX PICK-UP	MIN DROP OUT	APPLICATION SURVEY BY HORSEPOWER <sup>1</sup> (AT 115) <sup>2</sup>										
				1/12	1/8	1/6	1/5	1/4	1/3	1/2	3/4			
27001	309A	3.8	3.2	■	□	□	□	□	□	□	□	□		
27002	310A	5.2	4.4	□	■	□	□	□	□	□	□	□		
27003	311A	6.8	5.8	□	■	■	■	□	□	□	□	□		
27004	312A	8.3	7.1	□	□	■	■	■	□	□	□	□		
27005	313A	10.5	8.7	□	□	□	■	■	□	□	□	□		
27006	314A	11.8	9.8	□	□	□	■	■	■	□	□	□		
27007	315A	13.8	11.5	□	□	□	□	■	■	■	□	□		
27008	316A	15.1	12.6	□	□	□	□	■	■	■	■	□		
27009	317A	16.8	14.0	□	□	□	□	□	■	■	■	□		
27010	318A	22.5	18.0	□	□	□	□	□	■	■	■	□		
27011	319A	25.4	20.3	□	□	□	□	□	■	■	■	■		
27012	320A	31.0	25.0	□	□	□	□	□	□	■	■	■		

1. Current relays cannot be replaced by horsepower, amperage, or nameplate data alone. Refer to cross reference information for proper replacement of original equipment current relays by part numbers.  
 2. These current relays are often used on 230 volt applications, however this horsepower survey refers only to 115 volt applications.