

# MARS Relays & Potential Relays

## For Submersible Pump Applications

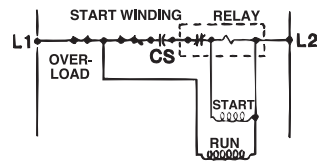
The MARS 550 and 551 relays were specifically developed for submersible pump and other motor starting applications in high moisture environments. Because the control panels for these are often located in areas of high humidity, the components on them must resist the effects of moisture. Chrome plating on the core and armature and the relatively small area of contact eliminates armature sticking due to organic contaminants which was the number one cause of relay failure.



19550

### Features:

- Used on F.E. Meyers, Franklin Electric, Jacuzzi, Red Jacket, Sta-Rite, and Tait
- 2 relays replace over 25 O.E.M. relays
- Universal break-off bracket on each relay. Simply snap off parts not needed
- UL and CSA listings available



MARS NO.	MARS MODEL NO.	CONTINUOUS COIL VOLTAGE	PICK-UP		DROP-OUT	
			MIN.	MAX	MIN.	MAX
19550	MARS 550	130	111	134	15	40
19551	MARS 551	332	244	270	40	90

MARS NO.	G.E. NO.	USED BY
16104	3ARR3J3G3	Barnes [Burks, Decator] & Myers

MANUF.	OEM NO.	GE CAT. NO.	MARS NO.	MANUF	OEM NO.	GE CAT. NO.	MARS NO.
F.E. Meyers	13178-A	3ARR3D7J4	19550	Jacuzzi	23-1308-26	3ARR3EA9V5	19551
	13179-A	3ARR3D3V4	19551		23-1308-00	3ARR3EA7J5	19550
	13180-A	3ARR3D3A4	19551		23-1308-18	3ARR3EA7BB5	19550
	17891-A	3ARR3EA3A4	19551		23-1308-34	3ARR3EA5U5	19551
	17890-A	3ARR3EA3V4	19551		23-1308-42	3ARR3EA7M5	19550
	17889-A	3ARR3EA7J4	19550		23-1308-49	3ARR3EA5C5	19551
Franklin Electric	155031-101	3ARR3J7J4	19550	Red Jacket	71-69	3ARR3EA7M5	19550
	155031-102	3ARR3J9V4	19551		71-70	3ARR3EA5B5	19551
	155031-104	3ARR3J2P3	19550		71-47	3ARR3J3V2	19551
	155031-103	3ARR3J9U4	19551		U18-325	3ARR3J3V3	19551
Sta-Rite	155031-105	3ARR3J7M1	19550	U18-665	3ARR3J3A3	19551	
				U18-810	3ARR3J2P3	19550	
				U18-811	3ARR3J5V3	19551	
				A124P2	3ARR3EA5A5	19551	
Tait				A124P1	3ARR3EA7K5	19550	

## One-On-One™ Direct Replacement Potential Relays

The relays are exact replacements for Bristol & Copeland applications. They conform to specifications and in most cases are the one-on-one™ replacement relay used by the manufacturer

Other relays available on special order. Contact your local wholesaler or MARS Customer Service.



16028

BRISTOL	MARS	COPELAND	COPELAND	MARS
650058	16028	MARS	040-0001-64	16098
650855	16051		040-0001-68	16099
BRISTOL	MARS	040-0001-34	040-0001-71	16116
		040-0001-35	040-0001-74	16122
		040-0001-48	040-0001-78	16121
		040-0001-50	040-0001-79	16152
		040-0001-53		
COPELAND	MARS	040-0001-54	040-0001-88	16151
		040-0001-00	040-0001-89	16155
		040-0001-01		
		040-0001-04		
		040-0001-12		
		040-0001-17		
		040-0001-19		
		040-0001-20		
		040-0001-25		
		040-0001-26		

## Universal Replacement

### Quick Reference Relay Selection Chart For General Electric Relays

1. Determine the General Electric model number of the Relay to be replaced the "FORM" and "GROUP"

EXAMPLE:	3ARR3*	A	3B	3
	Basic Type	FORM	GROUP	Non-Positional

One number plus  
1 or 2 Letters    1 or 2 Letters

### Cross Reference Information

WR/RBM NO.	MARS NO.	WR/RBM NO.	MARS NO.
90-1	19002	90-25	19006
90-2	19009	90-26	19008
90-3	19004	90-27	19005
90-4	19003	90-40	19004
90-5	19006	90-41	19008
90-6	19006	90-63	19002
90-7	19004	90-64	19003
90-8	19003	90-65	19004
90-9	19007	90-66	19005
90-10	19008	90-67	19006
90-11	19003	90-68	19007
90-12	19007	90-69	19001
90-13	19005		
90-14	19003		
90-15	19006		
90-16	19007	TECUM. NO.	MARS NO.
90-17	19002	82777	19002
90-18	19008	82778	19004
90-19	19006	82779	19008
90-20	19007	82781	19010
90-21	19002	82783	19003
90-22	19003	82784	19009
90-23	19007	82785	19006
90-24	19008	82787	19007

2. Locate in the following table the Relay GROUP and select the corresponding MARS Replacement Relay from the kit.

**19002** MARS 63 replaces Relay GROUPS 2J; 2K; 2L; 2M; 5N; 7J; 7K; 7L; 7M; 7N; 8L; 8M; 8N

**19003** MARS 64 replaces Relay GROUPS 3A; 3B; 3AV; 3AU; 4A; 4B; 6A; 6B; 6AV; 10A; 10B; 10AU; 10AV

**19004** MARS 65 replaces Relay GROUPS 3P; 3R; 3AP; 5P; 5R; 5S; 5T; 22S

**19005** MARS 66 replaces Relay GROUPS 3U; 3V; 3AT; 6U; 6V; 6W

**19006** MARS 67 replaces Relay GROUPS 3C; 3D; 3AA; 4C; 4D; 4BK; 6C; 6D; 6AA; 10C; 10D; 26A; 26B; 26C; 26D

**19007** MARS 68 replaces Relay GROUPS 3E; 3F; 3AB; 3AC; 4E; 4F; 4G; 6E; 6F; 6G; 10H; 10AB; 10AC; 26E; 26F; 26G; 26H; 27E; 27F; 27G

**19008** MARS 69 replaces Relay GROUPS 3S; 3T; 10S; 10T; 25S; 25T; 10AS

**19009** MARS 70 replaces Relay GROUPS 5B; 5C; 5D; 5AA; 8B; 8C; 8D

**19010** MARS 71 replaces Relay GROUPS 6TV; 6TW; 10V

3. Install relay in accordance with instructions in MARS Replacement Kit