

Relays

Universal Potential Relays

Note: See Technical Area for Application Note on Relays

Replacing all potential relays, these WIRE TO WIRE Universal Potential Relays offer the ultimate in convenience. One potential relay to fit any application. Choose to “drop in” the SUPR Universal Potential Relay or “dial in” the exact pick-up voltage for the APR5 Adjustable Potential Relay. State of the Art electronic circuitry provides Wire to Wire replacement of any potential relay with added motor protection.

Applications

- Replaces all OEM potential relays
- Use on any single phase motor or air conditioning and refrigeration compressor up to 5 hp.

Features/Benefits

- Reduces inventory
- Wire to Wire Replacement for virtually ALL potential relays.
- Recycles instantly
- Replaces both 3 and 5 terminal potential relays
- Normally closed contacts
- Accommodates screw-on or push-on connections.
- Dimensions identical to industry standard potential relays.
- Easy replacement mounting with universal mounting bracket.
- Start winding protection if motor does not start.
- Prevents start capacitor venting when motor doesn't start.
- Contact Material: Silver Cadmium Oxide



SUPR Universal Potential Relay

- Time Function Relay
- Start Time: 1.0 - 1.5 seconds

Common Specifications

Operating Voltage	110 – 270 VAC, Single Phase
Amperage	30 AMP
Motor Power Rating	up to 5 hp
Operating Position	Non-positional mounting.
Universal Mounting Bracket	Allows for easy installation. Unused portions of the bracket simply snap off with pliers.
Terminals	Screw or push-on. Adapters to convert screw-on to push-on are provided.
Dimensions	1.75W x 2.25L x 1.50H



APR5 Adjustable Potential Relay

- Adjustable, Voltage Sensitive Relay
- Set pick-up voltage
- Safety time out 1.0 – 1.5 seconds

90X Series Potential Relays

- Meets all requirements of OEM relays
- Universal break-off bracket



Features/Benefits

- 50/60 cycle
- Contact rating 35 amp @ 277 VAC
- Non-positional
- Instructions and wiring diagram included in each relay

PART NO.	CONTINUOUS		DROP		OUT RELAY GROUPS*	REPLACES GE 3ARR
	COIL VOLTAGE	PICK-UP MIN.	PICK-UP MAX.	MAX.		
9063	170	139	153	55	2J; 2K; 2L; 2M; 5N; 7J; 7K; 7L; 7M; 7N; 8L; 8M; 8N	
9064	395	260	275	120	3A; 3B; 3AV; 3AU; 4A; 4B; 6A; 6B; 6AV; 10A; 10B; 10AU; 10AV; 14A; 14B; 16A	
9065	332	168	182	90	3P; 3R; 3AP; 5P; 5R; 5S; 5T; 13P; 19N; 22S	
9066	395	215	225	120	3U; 3V; 3AT; 6U; 6V; 6W; 16U	
9067	420	295	315	125	3C; 3D; 3AA; 4C; 4D; 4BK; 6C; 6D; 6AA; 10C; 10D; 26A; 26B; 26C; 26D	
9068	502	325	345	135	3E; 3F; 3AB; 3AC; 4E; 4F; 4G; 6E; 6F; 6G; 10H; 10AB; 10AC; 26E; 26F; 26G; 26H; 27E; 27F; 27G	
9069	336	180	195	105	3S; 3T; 10S; 10T; 10AS; 13S; 13T; 20S; 25S; 25T	
9070	253	285	305	77	5B; 5C; 5D; 5AA; 8B; 8C; 8D; 27A; 27B; 27C	
9071	420	212	232	121	6TV; 6TW; 10V; 16TV; 20V	

*Determine group from GE part number.



903X Series General Purpose Switching Relays

Double pole – double throw (DPDT)

Applications

- HVAC/ R
- Appliance vending machines
- Fan controls
- Business machines



PART NO.	COIL VOLTAGE	TERMINAL		CROSS REFERENCE	
		1-2-3	4-5-6	ESSEX/RBM	HONEYWELL
90340	24	power	power	90-340	R8222D1014
90341	110/12	power	power	90-341	R4222D1013
90342	208/240	power	power	90-342	R4222N1021

CONTACT RATINGS	POWER		PILOT	
	208/240V	208/240V	120V	277V
Full Load Amps	12	6	-	-
Resistive Amps*	15	15	3	3
Locked Rotor Amps	60	35	-	-
Horsepower	3/4	3/4	1/10	1/10

*0.75 power factor