

PSR

This reliable and economical pump start relay family is perfect for systems that require pump activation.

KEY BENEFITS

- Pump start relay family for a variety of voltage and power requirements
- 24 VAC flying leads make connection to the controller quick and easy
- Suitable for conventional wiring or two-wire decoder activation

OPERATING SPECIFICATIONS

- Recommended installation: minimum 4.5 m from irrigation controller; see chart on **page 255** for maximum distances
- Approvals: IP44, UL, CE, NEMA 3R rated
- Warranty period: 2 years



Pump Start Relay

Height: 17 cm
Width: 19 cm
Depth: 12 cm

PUMP START RELAY

Model	Description
PSR-22	Double-pole/single-throw pump start relay for 120 VAC pumps up to 1.5 kW or 230 VAC pumps up to 2.2 kW
PSR-52	Double-pole/single-throw pump start relay for 120 VAC pumps up to 2.2 kW or 230 VAC pumps up to 5.6 kW
PSR-53	Triple-pole/single-throw pump start relay for 120 VAC pumps up to 2.2 kW, 230 VAC pumps up to 5.6 kW, or 230 VAC pumps up to 7.5 kW (3-phase)

PUMP START RELAY ELECTRICAL SPECIFICATIONS

Model	Single-Phase		3-Phase**	Max. Full Load AMPS	Max. Resistive AMPS	Coil VA							
	kW AT 120 VAC	kW AT 230 VAC				INRUSH		HOLDING					
			kW AT 230 VAC				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
PSR-22	1.5*	2.2*	N/A	30	40	33	30	1.38	1.25	8	6.5	0.33	0.27
PSR-52	2.2	5.6	N/A	40	50	65	60	2.71	2.50	7.5	5	0.31	0.21
PSR-53	2.2	5.6	7.5	40	50	65	60	2.71	2.50	7.5	5	0.31	0.21

Note: *Approximate power

** 3-phase power at 230 VAC is not commonly available in some international markets. Check local electrical codes for compatibility.

PSRB

For distant pump starts that require more power, choose the PSRB.

KEY BENEFITS

- Provides a solution for pump start relay installations that have insufficient power to activate the pump
- Includes solid state relay and local 24 VAC transformer for simple PSR activation

OPERATING SPECIFICATIONS

- Primary AC power input: 120/230 VAC,
- Secondary AC power output: 24 VAC, 1.6 A
- Relay rating: Double-pole, double-throw solid state (10 A)
- Approvals: IP54, UL, CE, NEMA 3R rated
- Warranty period: 2 years



PSRB Pump Start Relay Booster

Height: 22 cm
Width: 18 cm
Depth: 9.5 cm

PUMP START RELAY BOOSTER

Model	Description
PSRB	Use to boost controller output power for pump start relays