

# PSR

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

## KEY BENEFITS

- A 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, allows flexible installation options

## OPERATING SPECIFICATIONS

- Recommended installation: minimum 15' from irrigation controller; see chart on page 199 for maximum distances
- Approvals: IP44, UL, CE, NEMA 3R rated
- Warranty period: 2 years



### Pump Start Relay

Height: 6½"  
Width: 7½"  
Depth: 4½"

PUMP START RELAY	
Model	Description
PSR-22	Double-pole/single-throw pump start relay for 120 VAC pumps up to 2 hp or 230 VAC pumps up to 3 hp
PSR-52	Double-pole/single-throw pump start relay for 120 VAC pumps up to 3 hp or 230 VAC pumps up to 7.5 hp
PSR-53	Triple-pole/single-throw pump start relay for 120 VAC pumps up to 3 hp, 230 VAC pumps up to 7.5 hp, or 230 VAC pumps up to 10 hp (3-phase)

PUMP START RELAY ELECTRICAL SPECIFICATIONS													
Model	Single-Phase		3-Phase**	Max. Full Load AMPS	Max. Resistive AMPS	Coil VA				Coil VA			
	HP at 120 VAC	HP at 230 VAC	HP at 230 VAC			INRUSH		AMPS		HOLDING		AMPS	
						50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
PSR-22	2*	3*	N/A	30	40	33	30	1.38	1.25	8	6.5	0.33	0.27
PSR-52	3	7.5	N/A	40	50	65	60	2.71	2.50	7.5	5	0.31	0.21
PSR-53	3	7.5	10	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 irrigation controller and 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: 8¾"  
Width: 7"  
Depth: 3¾"

PUMP START RELAY BOOSTER	
Model	Description
PSRB	Use to boost controller output power available to operate larger pump start relays if necessary