

## Rain Bird PSR Universal Pump Start Relay



The Rain Bird pump start relays work with a lawn controller's start/stop command to facilitate the electrical path from the breaker box to the pump motor.

Rain Bird PSR110IC and PSR220IC Universal Pump Start Relays provide "pilot duty" operation for all types of electrically drive pump equipment with available 24 volt coil voltage.

### Features

- 40 AMP UL listed relay
- Quick connect terminals with wire nuts
- Grounding provision
- Compatible with 24 VAC timed lawn controllers
- Compatible with 110 or 220 VAC 3/4 hp thru 5 hp\* single phase pumps
- Grey "baked-on" powder coating, for long life in difficult environments
- UL Listed as "Enclosed Industrial Control Panels" and backed by a limited two-year warranty
- Housed in compact NEMA 3R weather tight enclosures

### Enclosure

- UL Listed
- Nema 3R
- Powder-coated steel – Grey
- Dimensions - 6" w x 6" h x 4" d

### Electrical Information

- Power Relay
- Electrical Rating: 120v – 24 FLA, 240v – 28 FLA
- Largest Motor: 120v – 2 hp, 240v – 5 hp
- Short Circuit Rating: 120v – 5kA, 240v – 5kA
- Control voltage required: 24v
- Hertz: Sixty (60)
- Inrush/run: 950mA/360mA



### Cube Relay

- Nominal Voltage: 24 VAC coil
- Hertz: Sixty (60)
- Resistive (cos.=1): 10A

### Models

- PSR110IC: Rain Bird Universal Pump Start Relay – 110 Volt
- PSR220IC: Rain Bird Universal Pump Start Relay – 220 Volt

*\* National electrical code (nec) states all motors will be thermally protected from excessive "amperage draw." Most motors under 2 hp are supplied with thermal protection from the motor manufacturer. For motors over 2 hp, code-compliant Rain Bird PSRB pump protection is recommended.*

*NOTE: Circuit breakers are never classified as motor protection*

*NOTE: Check with your local health department for regulations and requirements for backflow prevention.*

### How To Specify

PSR	110IC
Model	Coil Voltage
PSR	110 or 220 volts

Description	Line Voltage	Coil Voltage	hp	MODEL #
Rain Bird Universal Pump Start Relay - 110 Volt	110	24	3/4 THRU 2**	PSR110IC
Rain Bird Universal Pump Start Relay - 220 Volt	220	24	3/4 THRU 5**	PSR220IC

\*\*Recommended for two-wire irrigation systems.

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