

### Rain Bird PSRPL Rain Water Harvesting Pump Control

The Rain Bird® PSRPL Rain Water harvesting control monitors the balance of available water in a rainwater harvesting system against the water level needed to assure proper pump performance.

Simple and efficient, the Rain Bird® PSRPL provides the pump control for rainwater harvesting, through the use of simple float controls. The Rain Bird® PSRPL synchronizes source water with pump requirements. If rainwater is available, the Rain Bird® PSRPL uses the stored water first, if no rainwater is available, the Rain Bird® PSRPL utilizes a domestic or alternate source to provide water to the pump during a run cycle.



#### Features

- Float control (lower) is used to verify water is available during pump run cycle
- Float control (upper) is used to supplement water supply through the use of a 24 VAC domestic solenoid valve. (Solenoid to be supplied by others)
- Low pressure sensor protects the pump if the inlet water flow is restricted, reduced, or completely blocked
- High temperature sensor protects the pump if the discharge is closed or blocked
- All sensors and in-tank floats use safe 24 VAC power
- Completely automatic and hands-free pump protection
- Bridges the gap between 24 VAC lawn controllers and 110/220V pump motors

- Serves as a pump start relay plus offers pump shut-down protection if source water is not available
- One model works for all pumps from 3/4 hp to 5 hp
- Terminal block wiring for easy installation

#### Enclosure

- UL Listed
- Nema 3R
- Powder-coated steel – Grey
- Dimensions - approx. 12" w x 12" h x 6" d

#### Electrical Rating

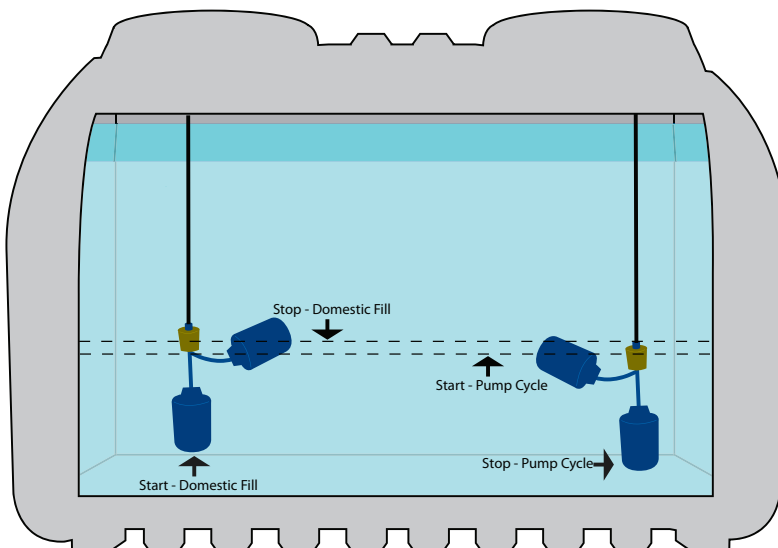
- Maximum 110/220 volt, 1 phase
- 5 hp maximum when internal Thermal Protection is present
- Control voltage is 24 VAC

#### Components

- **Power Relay Cube Relay**
  - Elect Rating: 120v – 24 FLA, 240v – 28 FLA
  - Nominal Voltage: 24 VAC coil
  - 5 hp maximum when Thermal Protection is present
  - Control voltage is 24 VAC
- Largest Motor: 120v – 2 hp, 240 VAC, - 5hp Resistive (cos.=1): 10A
- Short Circuit Rating: 120v – 5kA, 240v – 5kA
- Hertz: Sixty (60)
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- Inrush/run: 950mA/360mA

#### External Devices

- Low Pressure Sensor – fixed at 20 psi
- High Temperature Sensor – fixed at 105°
- Float Control – 13 amp @ 120/240 VAC with 16 AWG cord 55' length



\*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

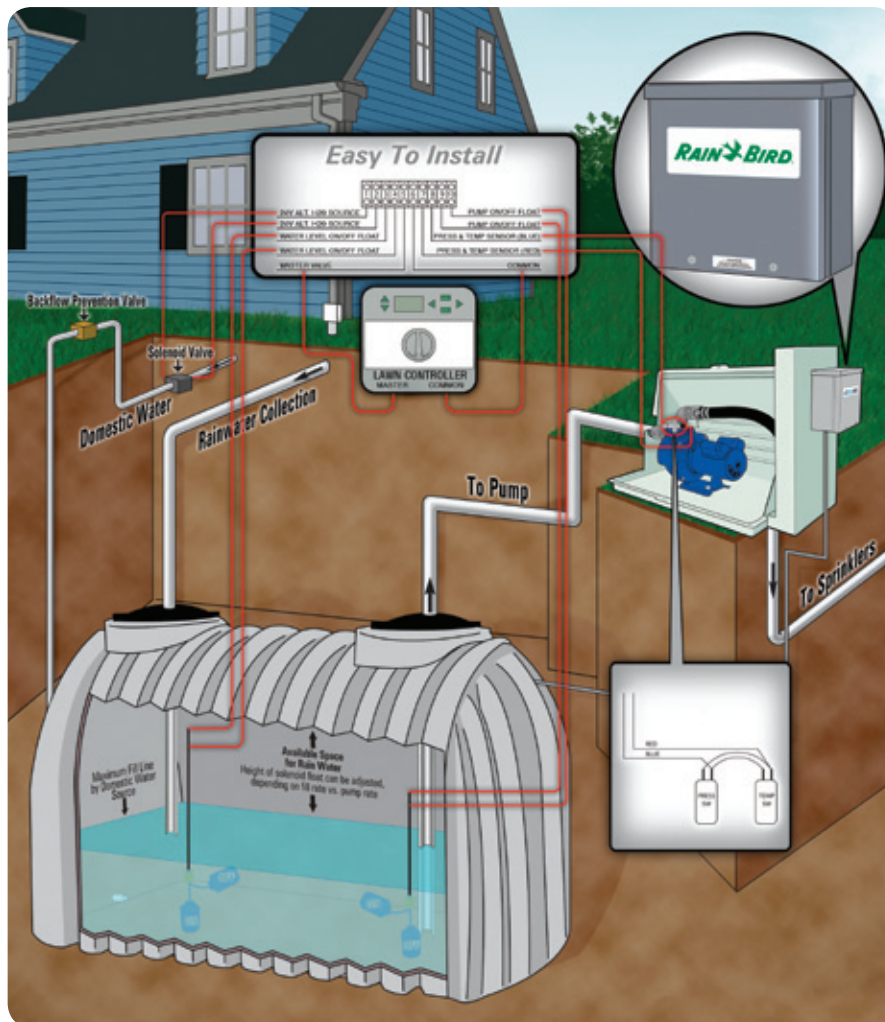
NOTE: Check with your local health department for regulations and requirements for backflow prevention.

#### How To Specify

<b>RBRB24</b>	<b>2WG</b>	<b>1</b>
<b>Model</b> RBRB24	<b># of Floats</b> 1: 1 2: 2	<b>Coil Voltage</b> 1: 110 volts 2: 220 volts

Rain Bird Description	Coil Voltage	hp	Rain Bird MODEL#
Rain Bird PSRPL Rain Water Harvesting Pump Control 2 Floats U2-110	110	5 hp maximum*	RBRB242WG1
Rain Bird PSRPL Rain Water Harvesting Pump Control 2 Floats U2-220	220	5 hp maximum*	RBRB242WG2
Rain Bird PSRPL Rain Water Harvesting Pump Control 1 Float U1-110	110	5 hp maximum*	RBRB241WG1
Rain Bird PSRPL Rain Water Harvesting Pump Control 1 Float U1-220	220	5 hp maximum*	RBRB241WG2

\*when thermal protection is present



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The Intelligent Use of Water™  
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