2 WIRE MODELS:
1450-0010, 1450-0011, 1451-0007, 1452-0006, 1452-0008, 1453-0004

3 WIRE MODELS:
1450-0009, 1451-0006, 1452-0005, 1452-0007

**4 IN. SUBMERSIBLE PUMP**

**WHAT IS THE VOLTAGE OF YOUR EXISTING PUMP?**

- 115 V
  - Item #1450-0010 only
- 230 V
  - All other items

**WARNING:** You must match the voltage of your pump to the existing power supply.

**ELECTRICAL SHOCK ALERT**
All electrical wiring or service should be done by a qualified electrician.

**WHAT SIZE PUMP DO YOU NEED?**
As a general guideline:
- 1/2 HP will pump from 100 ft.
- 3/4 HP will pump from 200 ft.
- 1 HP will pump from 300 ft.

**BEFORE RETURNING PUMP, BE SURE TO CHECK THE FOLLOWING:**
Refer to included owner’s manual for detailed instructions

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump won’t start</td>
<td>1. No power to motor</td>
<td>1. Check voltage at breaker box</td>
</tr>
<tr>
<td></td>
<td>2. Blown fuse or tripped breaker</td>
<td>2. Check wire size, line voltage, wiring, pressure switch, control box, drop cable and motor winding resistance</td>
</tr>
<tr>
<td>Pump starts and stops</td>
<td>3. Loose wiring or connections</td>
<td>3. Check wiring and connections</td>
</tr>
<tr>
<td></td>
<td>4. Incorrect control box or no control box</td>
<td>4. All 3 wire (plus ground) pumps require a control box that matches the pump HP and voltage</td>
</tr>
<tr>
<td>Pump quit working after initial or subsequent startups</td>
<td>5. Air locked pump</td>
<td>5. Normal delivery may resume if water pump is started and stopped at one minute intervals.</td>
</tr>
</tbody>
</table>

**HERE’S HOW TO WIRE YOUR SUBMERSIBLE PUMP**

- **2 WIRES PLUS GROUND?**
  - No Control Box is needed

- **3 WIRES PLUS GROUND?**
  - A control box with the same voltage and HP as the pump is required.

**How Many Wires Does Your Existing Pump Include?**

- 2 WIRE MODELS: 115 V
- 3 WIRE MODELS: 230 V

Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-584-8089, 7:30 a.m. - 5:00 p.m., EST, Monday - Friday.