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4 IN. SUBMERSIBLE PUMP

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



SUBMERSIBLE PUMP QUICK REFERENCE GUIDE. SEE INSTRUCTION MANUAL FOR COMPLETE DETAILS.

1 WHAT IS THE VOLTAGE OF YOUR EXISTING PUMP?



115 V

Item #1450-0010 only

OR



230 V

All other items



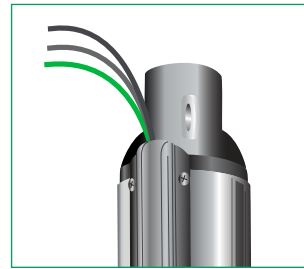
⚠ WARNING: You must match the voltage of your pump to the existing power supply.

⚠ ELECTRICAL SHOCK ALERT

All electrical wiring or service should be done by a qualified electrician.

2 HOW MANY WIRES DOES YOUR EXISTING PUMP INCLUDE?

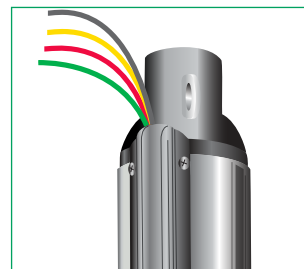
2 WIRES PLUS GROUND?



No Control Box is needed

OR ...

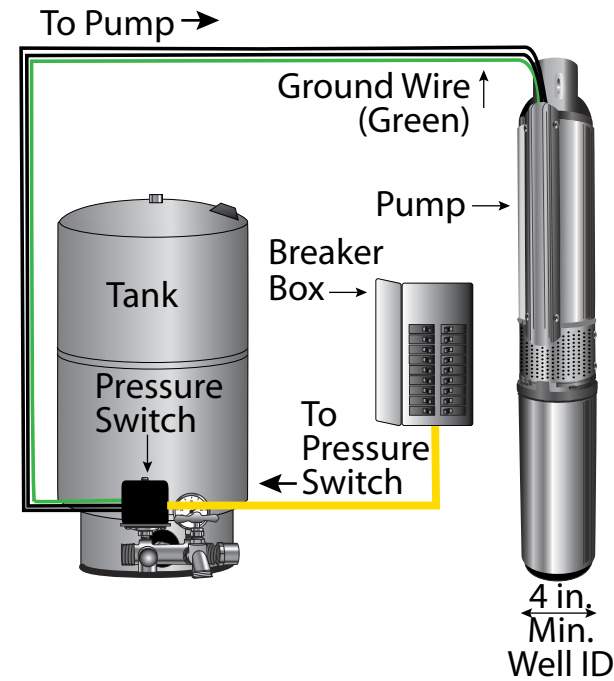
3 WIRES PLUS GROUND?



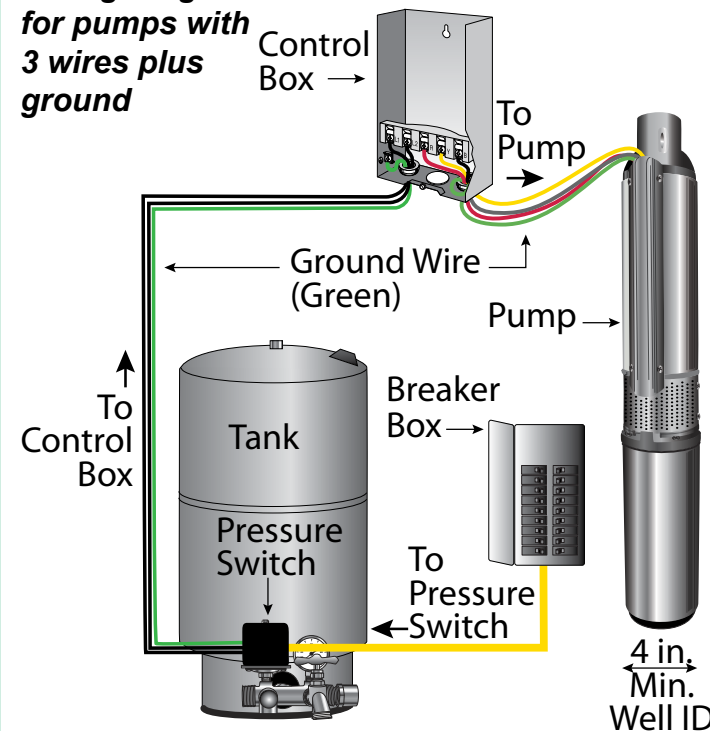
A control box with the same voltage and HP as the pump is required.

3 HERE'S HOW TO WIRE YOUR SUBMERSIBLE PUMP

Wiring Diagram for pumps with 2 wires plus ground



Wiring Diagram for pumps with 3 wires plus ground



4 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.

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

| Problem | Possible cause | Corrective Action |
|--|--|---|
| Pump won't start | 1. No power to motor | 1. Check voltage at breaker box |
| | 2. Blown fuse or tripped breaker | 2. Check wire size, line voltage, wiring, pressure switch, control box, drop cable and motor winding resistance |
| | 3. Loose wiring or connections | 3. Check wiring and connections |
| | 4. Incorrect control box or no control box | 4. All 3 wire (plus ground) pumps require a control box that matches the pump HP and voltage. |
| | 5. Air locked pump | 5. Normal delivery may resume if water pump is started and stopped at one minute intervals. |
| Pump starts and stops | 1. Inadequate voltage | 1. Line voltage must match pump voltage. |
| | 2. Incorrect wire size | 2. Check for correct wire size. Replace undersized wire. |
| | 3. Leak in system | 3. Check for leaks in piping |
| | 4. Water-logged pressure tank | 4. Be sure tank pressure is 2 lbs. below turn-on pressure of switch. |
| Pump quit working after initial or subsequent startups | 1. Blown fuse, tripped breaker, malfunctioning control box, pressure switch, motor or pump | 1. Refer to Troubleshooting chart in included owners manual |



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.

100% FACTORY TESTED

NOTE: Pump may show water stains as a result of factory water testing.