APS™ Simplex Control Panel

Single Phase Simplex | Type 4X (Indoor/Outdoor)

GRAPHIC INSTALLATION GUIDE

ALDERON™ Industries

Leading Edge Control Products

Specifications

Primary Power
120VAC or 120/230VAC, 0-20 Amps maximum 60 Hz

Phase/Pump Type
Single Phase, Simplex

Terminal Blocks
120/230VAC, 20A and 50A

Definite Purpose Contactor
120VAC or 230VAC, 20A, 50/60 Hz, 2-Pole, Normally Open

Circuit Breakers
120/230VAC, 1P or 2P, 10A or 25A

Alarm Beacon
10 Watt, Polycarbonate (red)

Alarm Buzzer
120VAC, 95dB at 2-feet

Control Relay
110VAC, 15A, Single Pole, Double Throw

HOA Switch
120VAC, 6A, Single Pole, Double Throw

Test/Silence Switch
120VAC, 6A, Single Pole, Double Throw

Pump Run Indicator
125VAC, 3Watt, Neon (green)

ETM (timer)/EC (counter)
7-Digit Displays, Non-resettable (optional)

Pedestal (riser attachment)
36-inch, Polyethylene, Curved Bottom/Side Cutouts (optional)

Enclosure (sizes; inches)
Thermoplastic, 10x8x4, Type 4X (outdoor), Lockable Latch

Certifications
UL 508 (US and Canada)

Warranty
Three-Year Limited Warranty

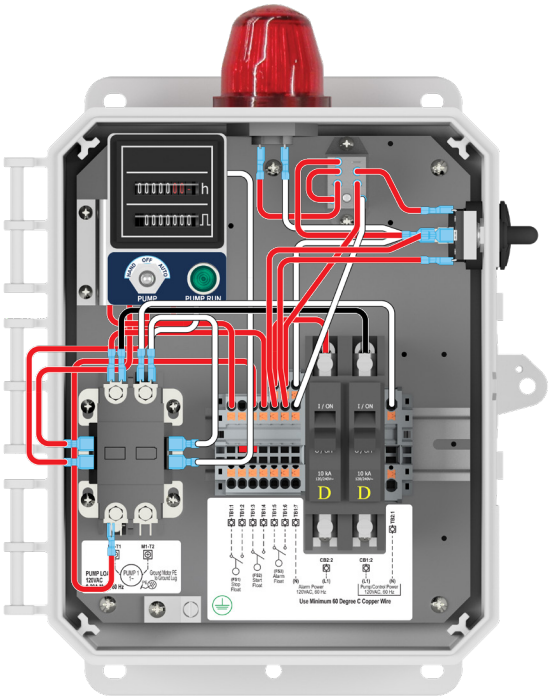
Safety Guidelines

Before proceeding with the installation or operation of the control panel read all instructions thoroughly, as well as comply with all Federal, State and Local Codes, Regulations and Practices. The control panel must be installed by qualified personnel familiar with all applicable local electrical and mechanical codes. Refer to the National Electrical Code (NFPA 70). Failure to properly install and test this product can result in personal injury or equipment malfunction.

1. DISCONNECT POWER when installing or servicing the product. Failure to disconnect all power sources could result in serious injury or death.
2. NEVER enter a flooded space without proper Personal Protective Equipment (PPE). Always wear dielectric rubber boots and other applicable protective equipment when water is on the floor and you must service an energized pump, alarm system, or product.
3. DO NOT enter the water if the water level is higher than that of the protection your PPE offers or if your PPE is not watertight.
4. DO NOT use or install this product with or near flammable liquids.
5. DO NOT use or install this product in locations classified as hazardous or in explosive atmospheres as defined by any applicable electrical safety code.

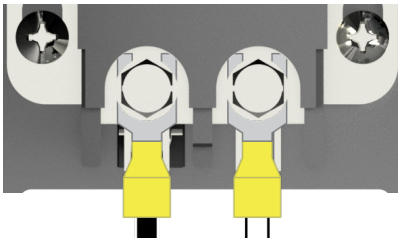
Typical Float Arrangement			
	FS1	FS2	FS3
Configuration	Stop Float	Start Float	High Alarm

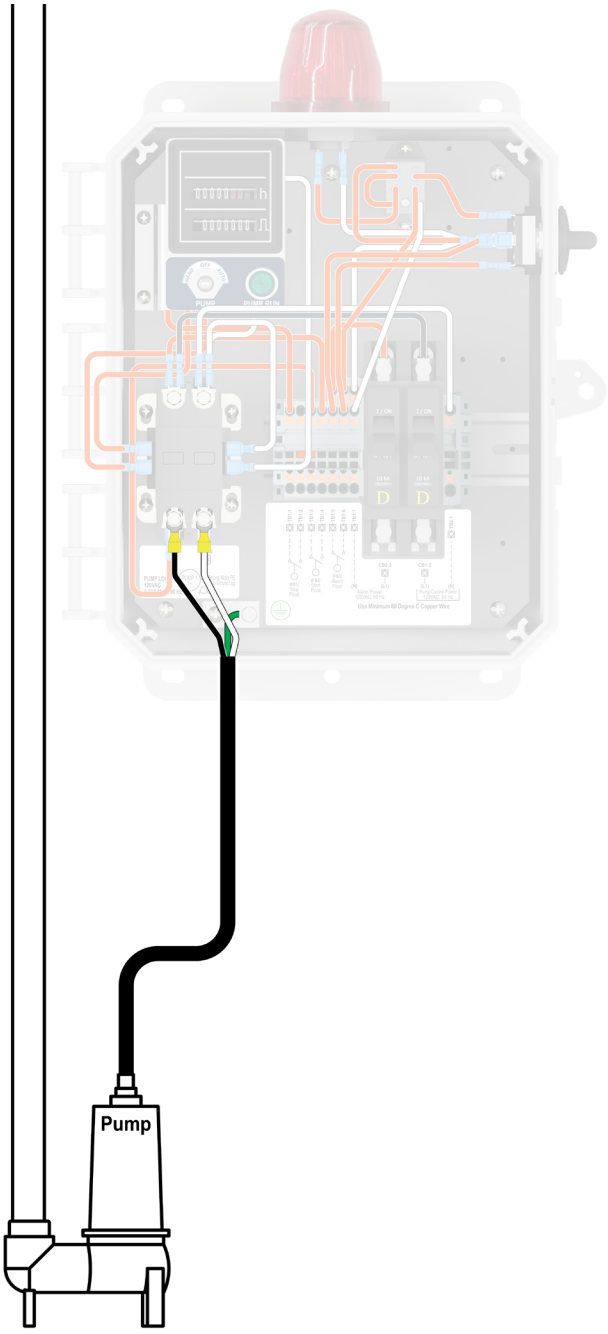
1



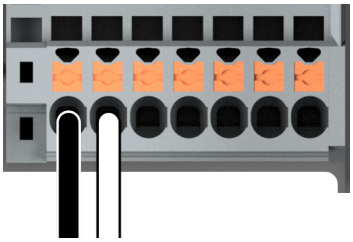
Factory Wiring

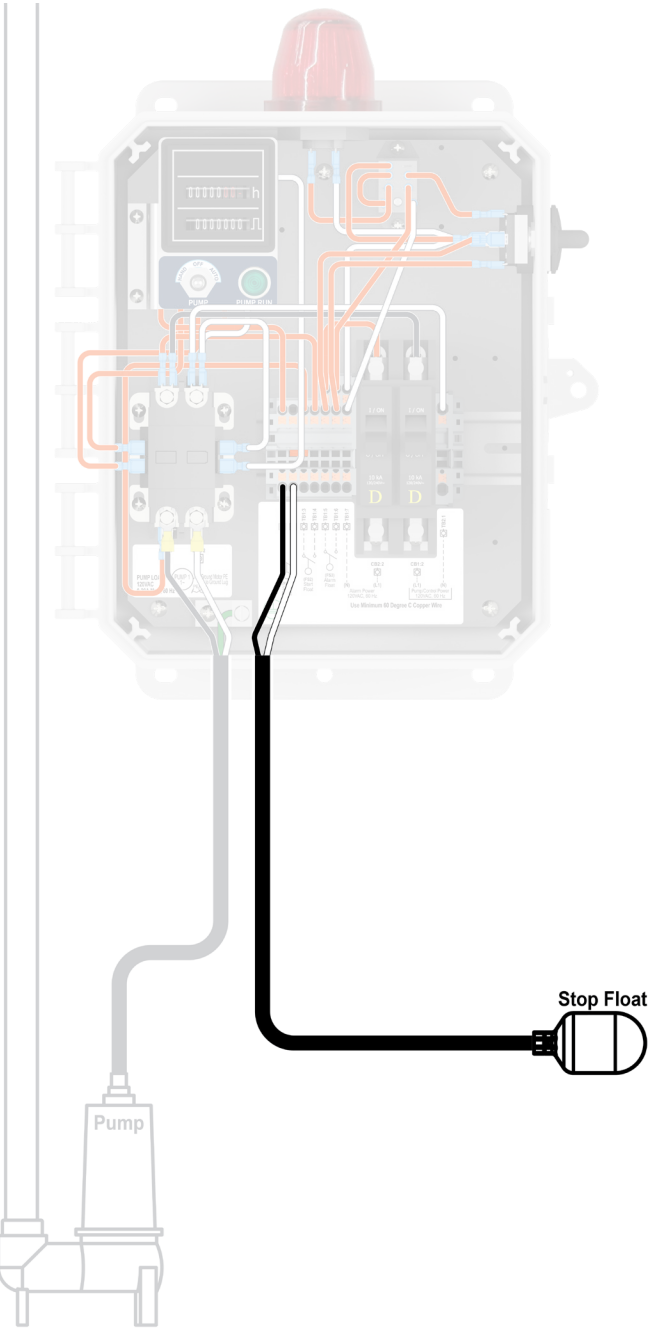
2



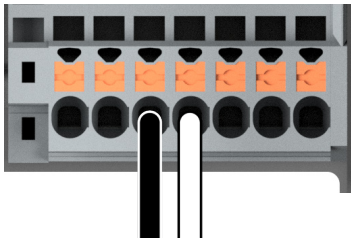


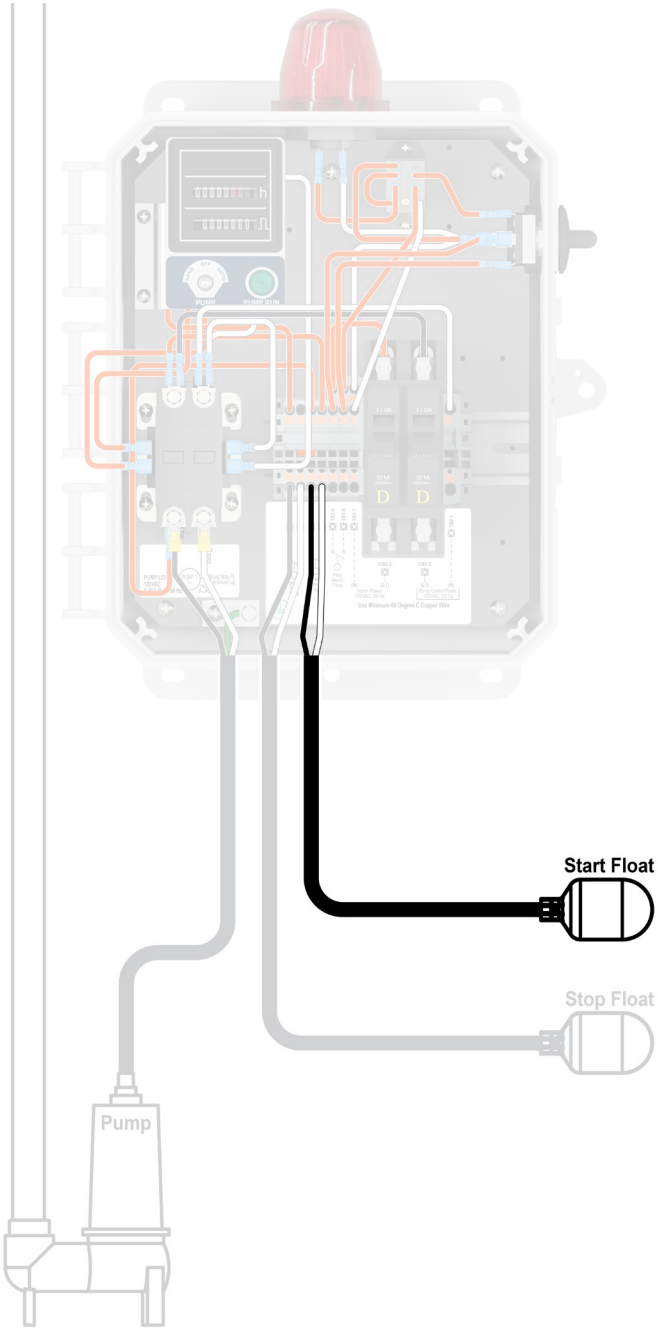
3



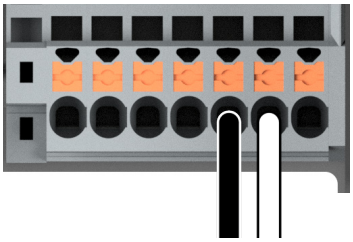


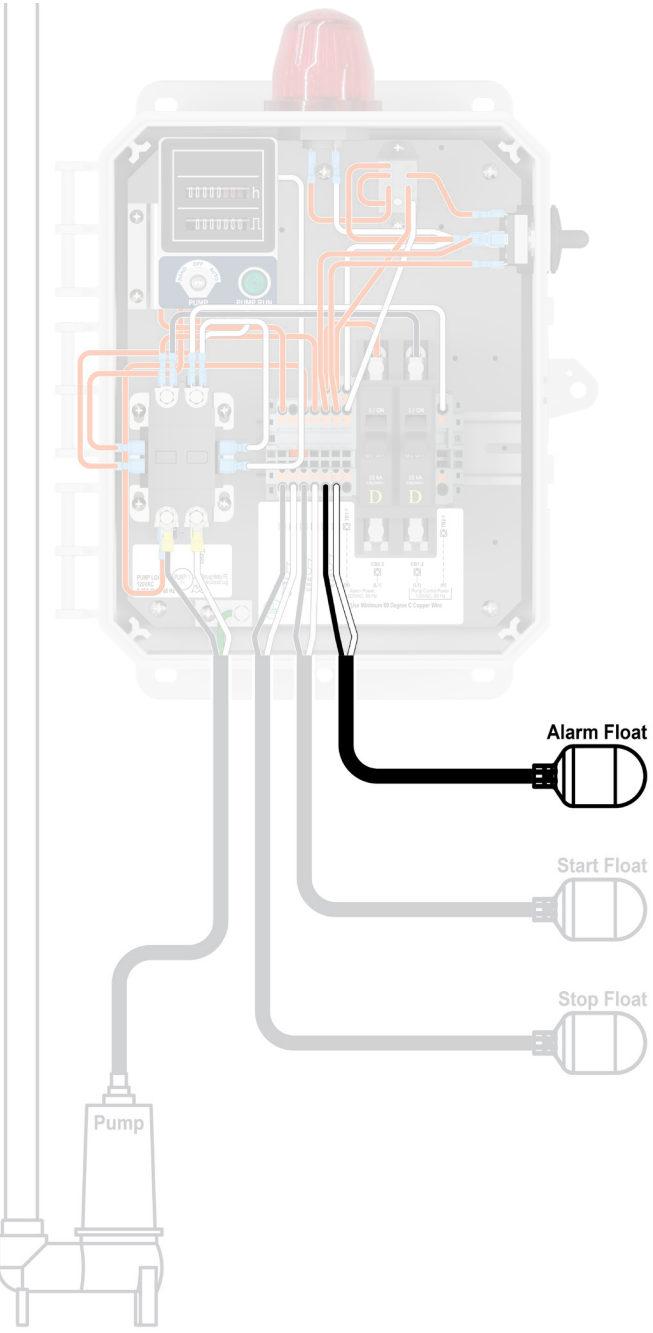
4



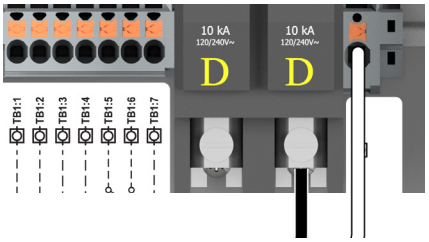


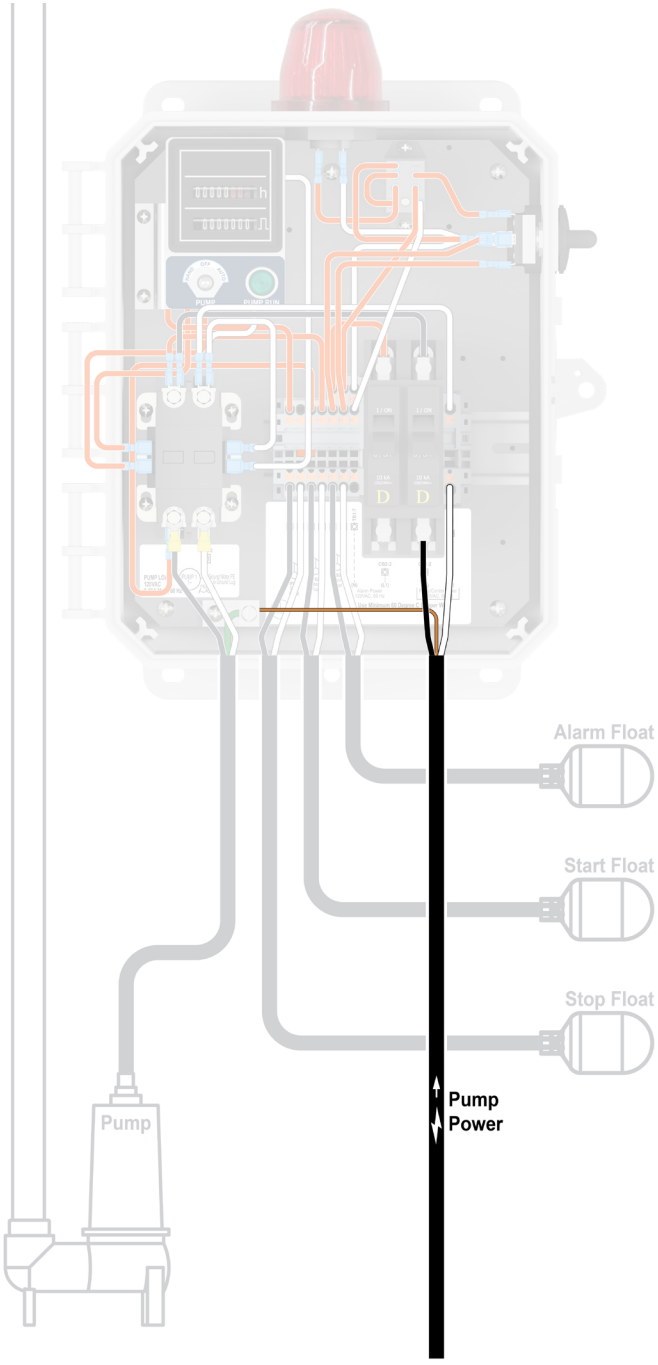
5



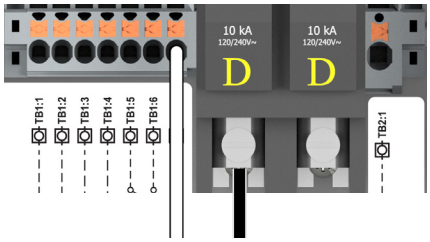

Alarm Float
Start Float
Stop Float
Pump

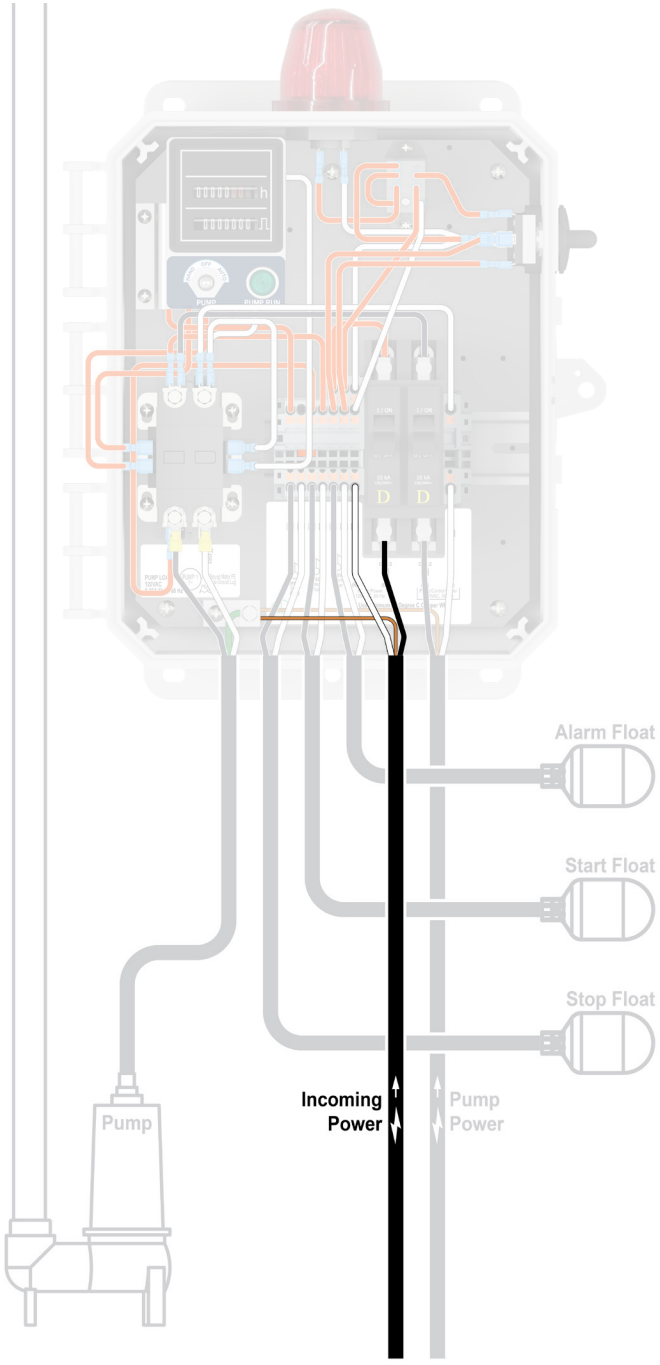
6

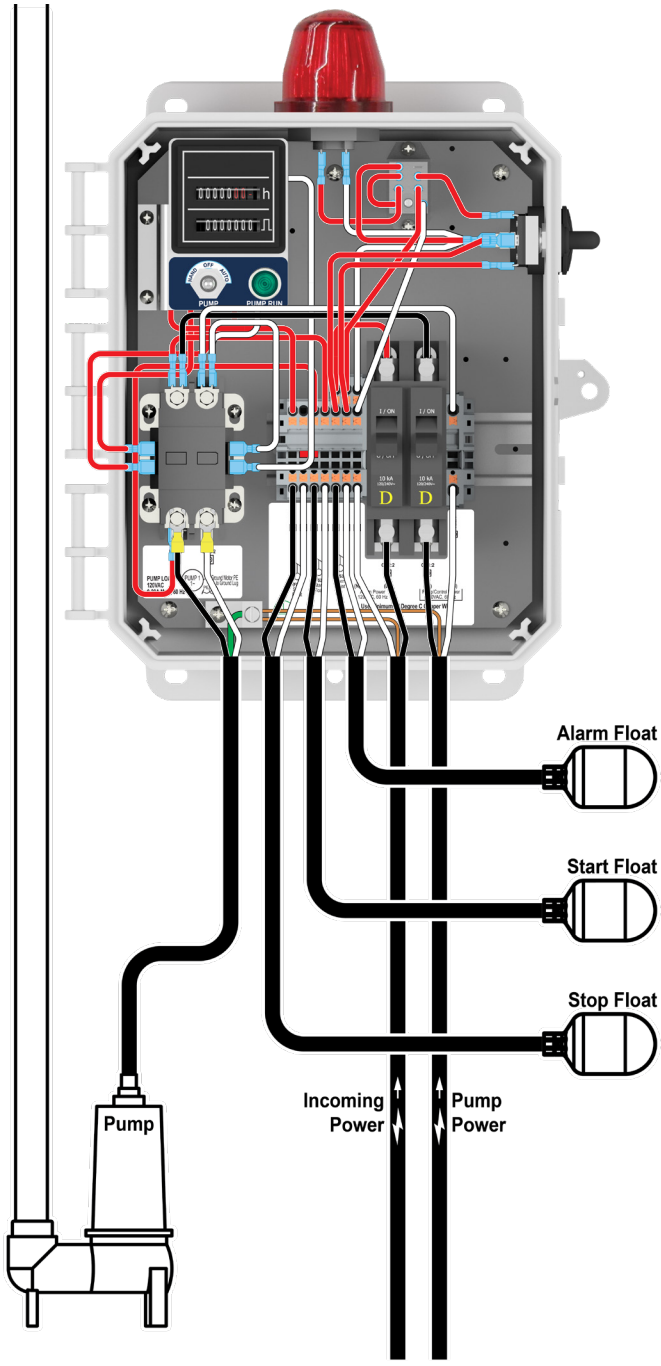
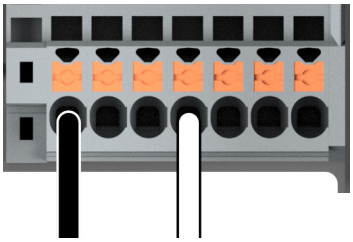
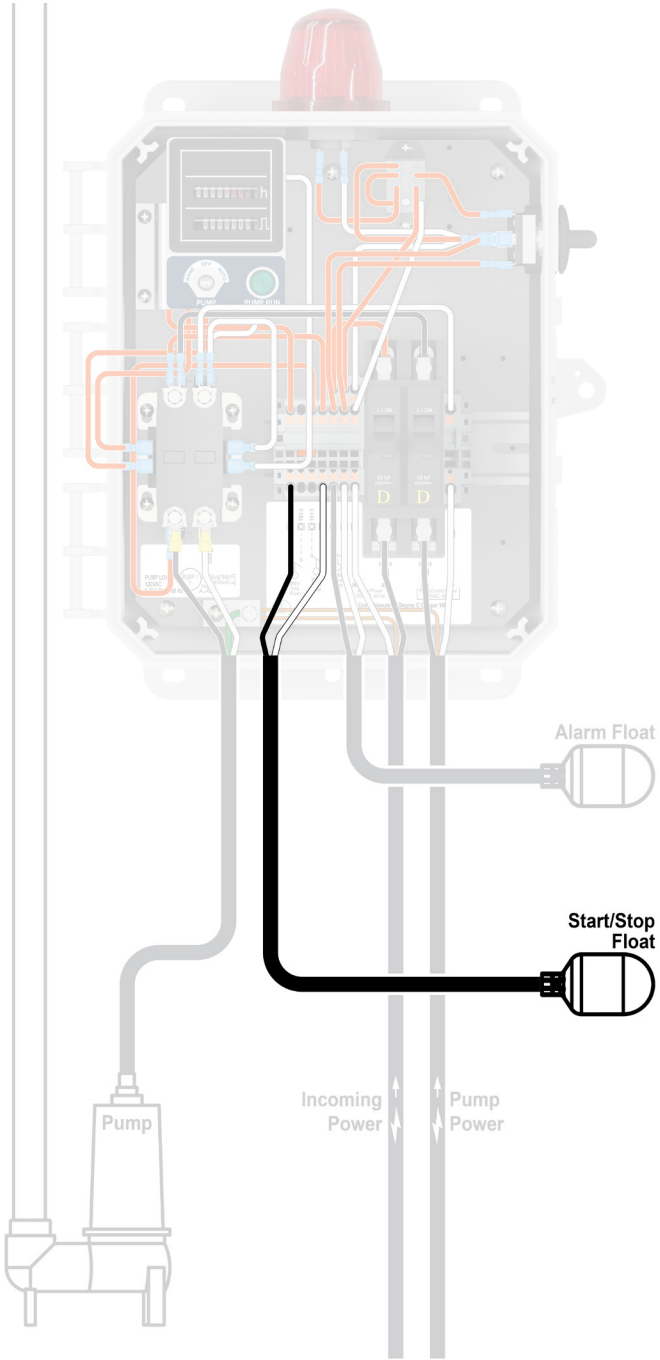

10 kA
120/240V~
D
10 kA
120/240V~
D
TB1:1
TB1:2
TB1:3
TB1:4
TB1:5
TB1:6
TB1:7


Alarm Float
Start Float
Stop Float
Pump
Pump
Power

7


10 kA
120/240V~
D
10 kA
120/240V~
D
TB1:1
TB1:2
TB1:3
TB1:4
TB1:5
TB1:6
TB2:1


Alarm Float
Start Float
Stop Float
Pump
Incoming Power
Pump Power


Alarm Float
Start Float
Stop Float
Pump
Incoming Power
Pump Power

Single Wide Angle Control Switch