

Qwik Pak™ High Amp Pump Switch

25 Amp | 120/230VAC, Type 3R Junction Box (Outdoor)

INCLUDES: INSTALLED 1/2" CABLE GRIP, 3/4" CABLE GRIP, and 20' WIDE ANGLE FLOAT SWITCH

ALDERON™
Industries

Leading Edge Control Products

TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION

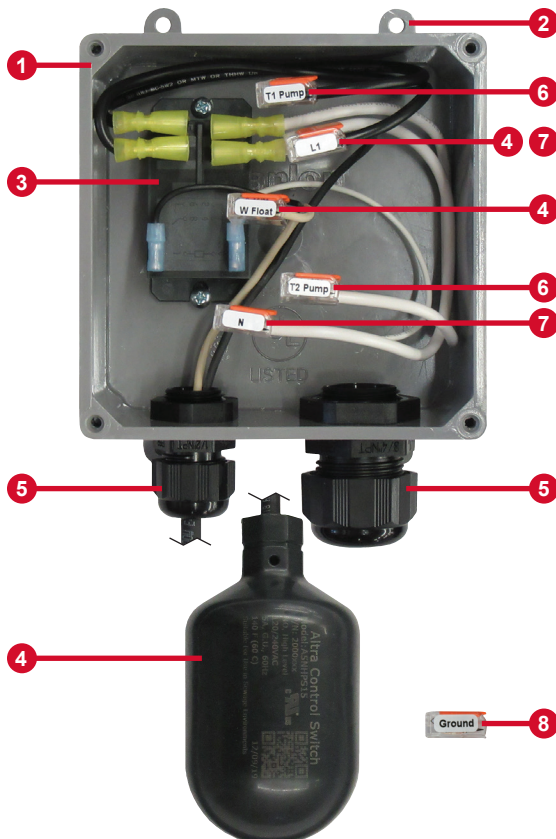


The Qwik Pak™ High Amp Pump Switch (25 Amp) is typically used to operate a high amp pump using a control float switch and control relay. The enclosure serves as a junction box with the pump and incoming power wires terminated with the included Wago quick connections.

The Qwik Pak™ is available in either 4x4x4 or 5x5x2 (inches) size enclosure with installed 1/2" NPT round float cable grip, 3/4" NPT round pump cable grip, pre-wired 20' wide angle control float switch to operate the pump, and a 120VAC or 230VAC control relay. The incoming system power and pump power cables (must match voltage of control relay) are wired into the provided quick connects inside the enclosure. Some models include a separate or installed cable grip and/or PVC hub (terminal adapter), while the Qwik Pak™ only models have customer supplied and field installed cable grips or PVC hubs. Seal all conduits to prevent moisture and gases from entering the enclosure per local codes.

The enclosures are rated Type 3R for indoor or outdoor applications, including but not limited to grinder pumps and large horsepower pumps. The pre-installed control float switch activates the control relay that switches the high amps for a longer life cycle and eliminates the need to purchase a separate junction box. The heavy duty control relay breaks both electrical lines, similar to ones used in control panels. The pre-installed quick connects (separate ground connect) make for a fast and easy installation.

STANDARD FEATURES



(1) Enclosure - Rated Type 3R for indoor or outdoor applications, material is non-metallic PVC plastic, non-conductive, and will not rust. The enclosure cover includes a foam-in-place gasketed lid and four stainless steel screws to fasten the cover to the housing (not shown).

(2) Mounting Feet - Four mounting feet are part of the enclosure housing to securely fasten the enclosure/junction box to a flat wall or surface.

(3) High Amp Control Relay - Rated 25 Amps in either 120VAC or 230VAC voltage. The control float switch activates the contacts inside the relay that switches the high amps and breaks both electrical lines.

(4) Control Float Switch - Pre-installed and wired to the provided quick connects inside the enclosure, activates the high amp control relay, and operates the pump. The black float switch wire is terminated using the L1/B Float quick connect and the white float switch wire is terminated using the W Float quick connect.

(5) Cable Grips - Two cable grips are pre-installed, a 1/2" NPT round for the pre-wired control float switch and a 3/4" NPT round for the pump power cable. When securely fastened, the cable grips provide a liquid and gas tight strain relief for cables.

(6) T1 and T2 Quick Connects - The pump power cable is brought into the enclosure through the pre-installed 3/4" cable grip. The black pump wire is terminated using the T1 Pump quick connect and the white pump wire is terminated using the T2 Pump quick connect.

(7) L1/B Float and L2/N Quick Connects - Incoming system power is brought into the enclosure through the installed, included, or customer supplied cable grip or PVC hub. The first line connection (L1) is terminated using the L1/B Float quick connect and the second line connection (L2/N) is terminated using the L2/N quick connect.

(8) Ground Quick Connect - NEVER leave ground wire exposed inside the enclosure, use provided quick connect for wire termination.

SPECIFICATIONS

Qwik Pak™ High Amp Pump Switch, 25 Amp



Primary Power

120VAC or 230VAC, 50/60 Hz
(voltage depends on model/part number)

Amperage

25 Amps

Control Float Switch

120VAC, 1A minimum
Single Pole, Single Throw
(signaling device)

Enclosure and Cover Material

Polyvinyl Chloride (PVC)
Non-metallic
Foam-in-place gasketed seal

Enclosure

Type 3R, Outdoor

Enclosure Sizes (inches)

4x4x4 or 5x5x2

High Amp Control Relay

120VAC or 230VAC
Double Pole, 30A
(voltage depends on model/part number)

Operating Temperature

0 - 140° F

Wiring

18 gauge, control wiring
12 gauge, power and pump wiring

Certifications

UL (US and Canada)

Three-Year Limited Warranty

NOTE: The Qwik Pak™ high amp pump switch must be used with pumps that provide integral thermal overload protection.

Altra™ Control Switch



Electrical

5 Amp and 5 Amp or 1mA, 120/240VAC

Operating Temperature

0 - 140° F

Cable Type (bare leads)

SJOOW (UL/CSA), 18 gauge, 2-conductor, flexible, and water/oil resistant

Float Housing

Polypropylene

Switch Configuration

Single Pole, Single Throw
(normally open or normally closed)

Switching Differential

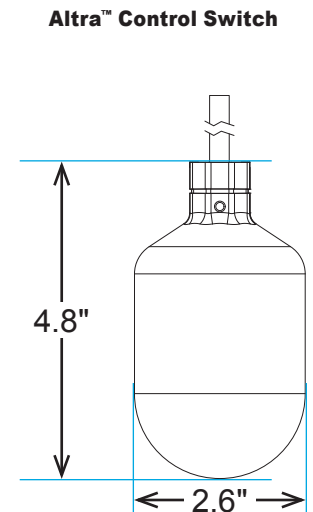
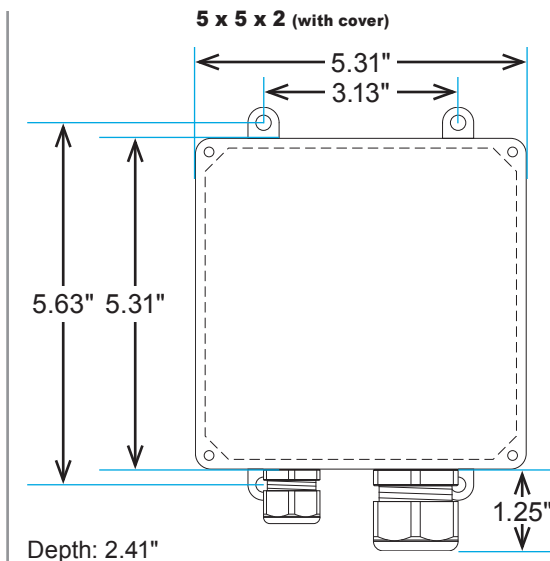
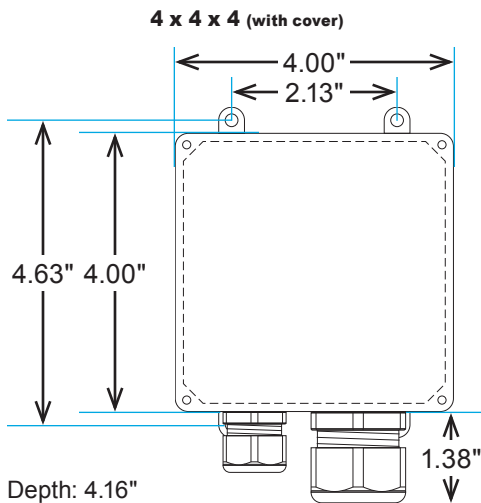
90° total (wide angle)

Certifications

CSA (US and Canada)

Three-Year Limited Warranty

MECHANICAL DRAWING



ORDERING INFORMATION

For a complete list of standard products with pricing, refer to the current year price sheet or visit alderonind.com for more information.

PART NUMBER	DESCRIPTION (Qwik Pak™ Only includes: installed ½" NPT Round Cable Grip, ¾" NPT Round Cable Grip, and 20' Wide Angle Control Float Switch)
7804	Qwik Pak™ 4 x 4 x 4, 230VAC, 25 Amp, Normally Open (Qwik Pak™ Only)
7805	Qwik Pak™ 4 x 4 x 4, 230VAC, 25 Amp, Normally Open, Separate ½" NPT Flat Cable Grip and 1.5" PVC Hub
7806	Qwik Pak™ 4 x 4 x 4, 230VAC, 25 Amp, Normally Open, Installed 1.5" PVC Hub
7807	Qwik Pak™ 4 x 4 x 4, 230VAC, 25 Amp, Normally Open, Installed 2.0" PVC Hub
7803	Qwik Pak™ 5 x 5 x 2, 230VAC, 25 Amp, Normally Open, Separate ½" NPT Flat Cable Grip and 0.5" PVC Hub
7849	Qwik Pak™ 4 x 4 x 4, 120VAC, 25 Amp, Normally Open (Qwik Pak™ Only)
7850	Qwik Pak™ 5 x 5 x 2, 120VAC, 25 Amp, Normally Open (Qwik Pak™ Only)
7990	Qwik Pak™ 5 x 5 x 2, 120VAC, 25 Amp, Normally Open, Separate ½" NPT Flat Cable Grip and 0.5" PVC Hub
8046	Qwik Pak™ 5 x 5 x 2, 120VAC, 25 Amp, Normally Closed (Qwik Pak™ Only)