

Hytra™ High Temp Pump Switch

13 Amp | 120/240VAC | Models: H13 Series



(120VAC piggyback plug model shown)

Specifications

Primary Voltage:	120VAC or 240VAC, 60 Hz (voltage depends on model/part number)
Amperage:	13 Amps, 120VAC 0.5HP or 240VAC 1.5HP
Float Housing:	Polypropylene
Housing Size:	2.6" (diameter) x 4.8" (length)
Cable Type:	High Temperature, SJOOW (UL/CSA), 16 gauge, 2-conductor, flexible, and water/oil resistant
Connection Types:	Bare Leads (no plug; 120/240VAC) Piggyback Plug (120VAC or 240VAC)
Operating Temp:	0 - 200° F
Switching Differential:	20° (narrow), 50° (medium), and 90° (wide)
Switch Configuration:	Single Pole, Single Throw (NO or NC)
Certifications:	CSA (US and Canada)

NOTE: The pump switch must be used with pumps that provide integral thermal overload protection.

QUICK START GUIDE

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Safety Guidelines



WARNING

Before proceeding with the installation or operation of this product, read all instructions thoroughly, as well as complying with all federal, state and local codes, regulations, and practices. This product 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.

Model Number Nomenclature

H13WDPS1WP30BOX

1 2 3 4 5 6 7 8

1 Housing Material and Cable (Hytra™ High Temp)	5 Mounting Method (Pipe Clamp, Stainless Steel)
2 Amperage Rating (13 Amps, 16 AWG Cable)	6 Termination Type (120VAC, Piggyback Plug)
3 Activation Angle (Wide Angle, 90° differential)	7 Cable Length (30 feet)
4 Activation Type (Pump Down, Normally Open/NO)	8 Packaging Method (Boxed)

Customer Support

Online
alderonind.com

Email
info@alderonind.com

QR Code
Scan code for full product details

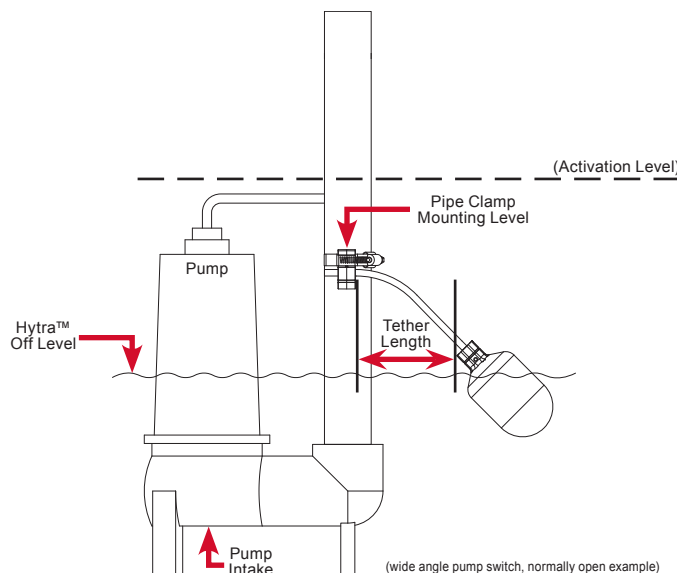


Tether Length and Activation Level

CAUTION: USE AS GUIDE ONLY, ACTUAL RANGES MAY VARY
(Reference Only - Testing Must Be Performed for Actual Ranges)

Tether Length (inches)	3.5"	4.0"	6.0"	8.0"	10.0"	12.0"	16.0"	20.0"	24.0"
Pumping Range (inches) NR = Not Recommended									
Narrow Angle	2.5"	2.7"	2.9"	3.5"	4.5"	5.5"	9.0"	16.0"	NR
Medium Angle	4.5"	5.0"	5.25"	6.0"	6.5"	8.75"	16.5"	25.0"	32.0"
Wide Angle	7.5"	8.25"	9.75"	13.3"	15.8"	20.0"	25.5"	32.0"	40.0"

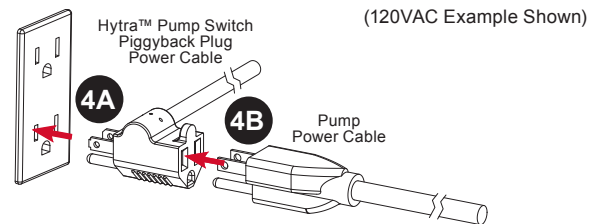
Pump Switches - MINIMUM Recommended Tether of 3.5"



Connecting Power and Testing

PIGGYBACK PLUG MODELS:

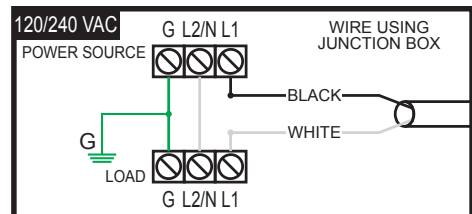
- 1) Plug the male end of the piggyback plug on the Hytra™ pump switch power cable into a standard wall outlet or power receptacle that matches the voltage of the pump switch (4A).
- 2) Plug the male end of the pump power cable into the female end of the piggyback plug on the Hytra™ pump switch power cable (4B).



BARE LEAD MODELS:

- 1) Connect bare lead wires from the Hytra™ pump switch power cable to terminal inputs in a junction box as shown in the diagram.

WARNING: In 240VAC installations, one side of the line going to the load is always HOT. This condition exists if the switch is on or off. Install double pole disconnect on all 240VAC circuits.



TESTING:

- 1) PUMP OFF - When the pump switch is deactivated, the pump should be off. (down position for normally open or up position for normally closed)
- 2) PUMP ON - When the pump switch is activated, the pump should be on. (up position for normally open or down position for normally closed)

Float Cable Attachments

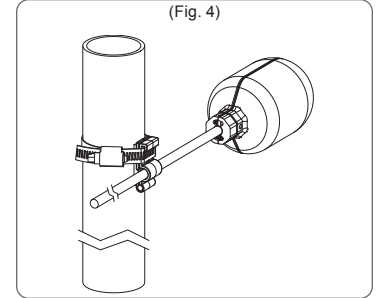
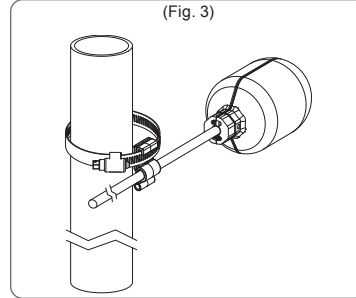
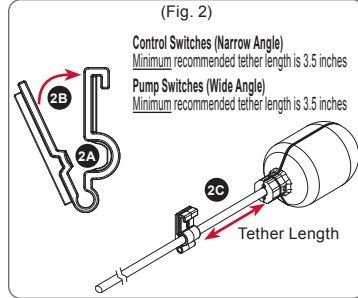
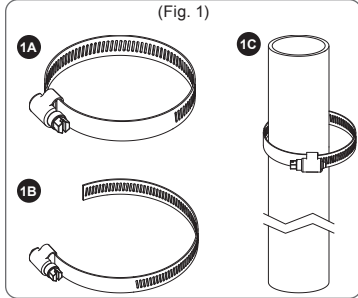
Stainless Steel Pipe Clamp, RubberLox™ Pipe Clamp, Cast Iron Cable Weight, and Plastic Cable Weight

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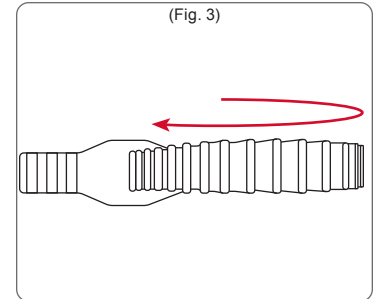
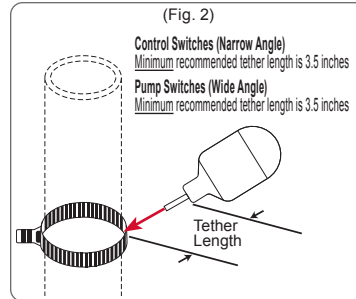
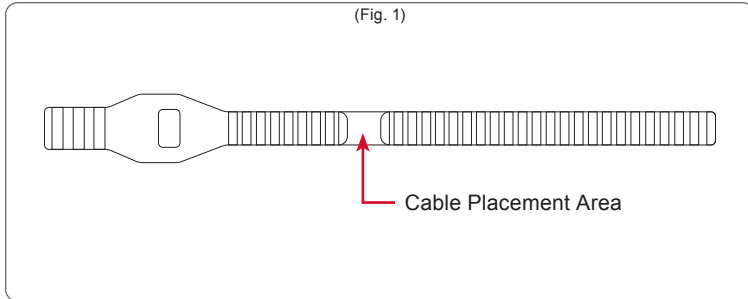


Stainless Steel Pipe Clamp

Scan for full product details

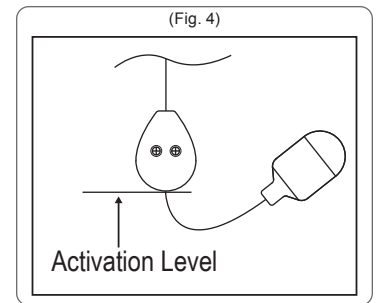
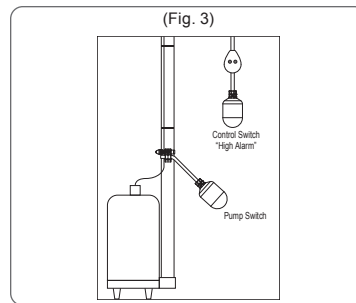
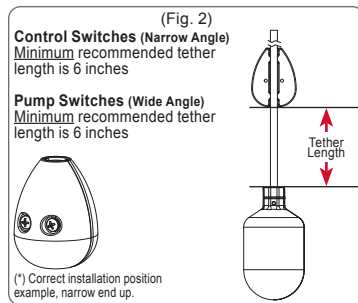
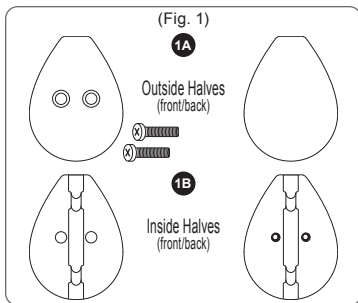


RubberLox™ Pipe Clamp



Cast Iron Cable Weight

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Plastic Cable Weight

Scan for full product details

