

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



ENGINEERED PRODUCTS

Zoeller Family of Water Solutions™

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STARTER KITS, A-PAK, J-PAK, AND FLOAT SWITCHES

STARTER KITS

A starter kit is required for all single phase heavy duty solids handling and grinder pumps.

A starter kit consist of the single phase capacitors with start relay required to run the pump.

The kit is to be field installed in the control panel. There are two types, shipped loose for field assembly or prewired and mounted on a SS bracket.

Starter Kit P/N	Pump Model	Type
10-0380	7011 / 7012 / 7013 / X7011 / X7012 / X7013	Shipped Loose
10-0918	6111 / X6111	Shipped Loose
10-0916	6120 / 6121 / X6120 / X6121 (before 10/1/07)	Shipped Loose
10-2220	6120 / 6121 / X6120 / X6121 (after 10/1/07)	Shipped Loose
10-0917	6122 / 6123 / X6122 / X6123	Shipped Loose
10-1433	6124 / X6124	Shipped Loose
10-0458	6220	Shipped Loose
10-0459	6221	Shipped Loose
10-1011	6111 / 7110 / 7111 / X6111 / X7110 / X7111	Shipped Loose
013736	7011 / 7012 / 7013 / X7011 / X7012 / X7013	Bracket Mounted
015157	6122 / 6123 / X6122 / X6123	Bracket Mounted
015158	6124 / X6124	Bracket Mounted
015159	6111 / 7110 / 7111 / X6111 / X7110 / X7111	Bracket Mounted

“A-PAK” ALARM SYSTEM

INDOOR/OUTDOOR ALARM SYSTEM FEATURES

Model 10-0623

- Indoor & outdoor use per UL 864
- UL Listed and CSA Certified
- Alarm system (horn & light) operates to warn of a high water condition
- Horn is rated 82 decibels at 10'
- Alarm test and horn silence switch with auto reset
- Float switch with 15' cable included
- Interior pump and float switch terminal block

“A-PAK II” ALARM SYSTEM FEATURES

Model 10-0126

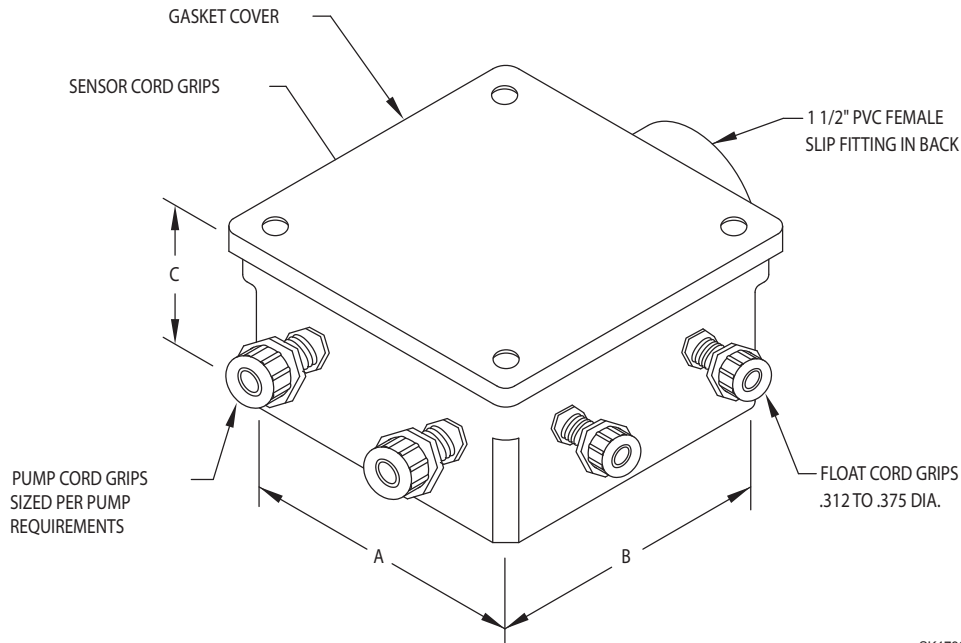
- NEMA 4X thermoplastic alarm panel
- Horn & light warn of high liquid levels
- Test and silence switch
- Auxiliary dry high level alarm contacts - 5 amps
- Operates on separate circuit from pump 115V, AC
- Float switch with 20' cable included
- Can be used with liquids to 140°F (60°C)



Products may not be exactly as pictured.

“J-PAK” - WATERTIGHT JUNCTION BOXES

NEMA 4X Junction boxes are electrical enclosures that are watertight, dust-tight, and corrosion resistant.



SK1739

Part No.	Pump Model	FLA (Amps)	Type	“A”	“B”	“C”	Cord Grips*
10-0647	Commercial Duty	All Models	Simplex	6"	6"	4"	1 pump / 3 float
10-1403	Commercial Duty w/ Moisture Probes	1.7 - 12 Amps	Simplex	6"	6"	4"	1 pump / 1 moisture probe 3 float
10-0985	61HD, 62HD and 71 Series	< 20 Amps	Simplex	6"	6"	4"	1 pump / 1 sensor / 3 float
10-0987	61HD, 62HD and 71 Series	20 - 36.7 Amps	Simplex	6"	6"	4"	1 pump / 1 sensor / 3 float
10-0649	Commercial Duty	All Models	Duplex	6"	6"	4"	2 pump / 4 float
10-1338	Commercial Duty w/ Moisture Probes	1.7 - 12 Amps	Duplex	8"	8"	4"	2 pump / 2 moisture probe 4 float
10-1015	61 HD Series w/o Sensor Option	< 20 Amps	Duplex	8"	8"	4"	2 pump / 4 float
10-1016	61HD Series w/o Sensor Option	> 20Amps	Duplex	8"	8"	4"	2 pump / 4 float
10-0986	61HD w/ Sensor, 62HD and 71 Series	< 20Amps	Duplex	8"	8"	4"	2 pump / 2 sensor / 4 float
10-0988	61HD w/ Sensor, 62HD and 71 Series	20 - 36.7 Amps	Duplex	8"	8"	4"	2 pump / 2 sensor / 4 float

*Each junction box is supplied with one hole plug for an unused sensor or float cord grip hole.

WARNING: Junction boxes not designed to be used with explosion proof pumps and/or intrinsically safe controls.

COMPARE THESE FEATURES

- Float is constructed of durable PVC/polypropylene encasing variable level switch.
- Standard mechanical variable level control switches are rated for 115/230V, 5 amps.
- 18/2 Type SJOW CPE Cord-Standard
- Cords are available in 15-20-25-35-50 foot lengths.
- Temperature rating of 140°F (60°C)
- Low current switches for Class I, Division 1, Group C & D locations when used in intrinsically safe circuits and rated for 30 VDC, 0.1 Amps
- Approximately ½" liquid level differential in switching action

Variable Level Control Switch is normally open when hanging vertically above liquid level. Switch closes when it reaches a few degrees above the horizontal position.

APPLICATIONS

- Switch for Simplex or Duplex pump control and High Level Alarm on Electrical Alternating Control Panel systems for dewatering, effluent and sewage applications.
- Switch for A-Pak
- High Level Alarm Switch

ADJUSTABLE WEIGHT: (P/N 10-0689)

- Provides an accurate pivot point for suspended float switches
- Gripper teeth on clip and weight channel securely lock float cable into place.
- Cable weight can be adjusted without the use of tools.

HOUSING: 1 lb. 12 oz. (0.8 kg) 2.8" x 3.3" (7.1 cm x 8.4 cm) impact-resistant and non-corrodible, PVC housing for liquids up to 140°F (60°C)

CLIP: injection-molded acetal plastic

WIRE/CABLE ACCOMODATED: SJOW, SJTW, 18/2, 16/3, 14/4, 14/2

SHIP WEIGHT: 2 lbs. (32 oz)

FLOAT SWITCH TREES			
Mechanical		Cord Length	Mounting Method
Standard P/N*	Intrinsically Safe P/N		
10-1456	10-1456	---	Tree Only
10-1886	10-2069	15	(3) 15' Floats & Tree
10-1887	10-2070	15	(4) 15' Floats & Tree

* Do not use with intrinsically safe control systems.

** For use with intrinsically safe control systems only.

VARIABLE LEVEL CONTROL SWITCHES



Pipe Clamp Type



Adjustable Weight



May not be exactly as pictured.



FLOAT SWITCHES			
Mechanical		Cord Length	Mounting Method
Standard P/N*	Low Current P/N**		
10-0743	10-2060	15	Clamp
10-0744	10-2061	20	Clamp
10-1877	10-2062	25	Clamp
10-1878	10-2063	35	Clamp
10-1879	10-2064	50	Clamp
10-1880	10-2065	15	Adjustable Weight
10-2033	10-3284	20	Adjustable Weight
10-1881	10-2066	25	Adjustable Weight
10-1882	10-2067	35	Adjustable Weight
10-1883	10-2068	50	Adjustable Weight

SWITCH-MATE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH (VLFS)

- Converts nonautomatic pump to automatic pump
- Simple installation
- Adjustable/Variable level
- Standard SJOW CPE cord with molded plug
- Float is constructed of durable PVC/polypropylene encasing variable level switch.
- Standard - normally open (NO) ("pumps down")
- Maximum operating temperature for 10-0748 - 120°F (49°C)
All other switches - 140°F (60°C)
- Float is omnidirectional (no "up" side)
- Includes mounting clamp
- Designed for EFFLUENT, SEWAGE and DEWATERING applications.
- Variable level float switch, for use in 18" minimum diameter basins
- 10-0748 - 25' cord standard, no molded plug. Can be used as a control switch to operate an external magnetic or combination starter on three phase pumps.
- On / Off Operating Range:
Single Piggyback - 7" to 36"
Double Piggyback - 10" to 56"

SINGLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

13 Amp Maximum

Normally Open (NO)

10-0034 - 115V - 15'
10-0035 - 230V - 15'
10-0063 - 115V - 20'
10-0706 - 230V - 20'
10-0066 - 115V - 25'
10-0311 - 230V - 25'

15 Amp Maximum

Normally Open (NO)

10-0032 - 115V - 15'
10-0033 - 230V - 15'
10-0705 - 115V - 20'
10-0559 - 230V - 20'
10-0088 - 115V - 25'
10-0304 - 230V - 25'

20 Amp Maximum

Normally Open (NO) w/o Plug

10-0748 - 115V/230V - 25'



DOUBLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

13 Amp Maximum

10-1964 - 115V - 13 Amp - 15'
10-1965 - 230V - 13 Amp - 15'

15 Amp Maximum

10-3128 - 115V - 15 Amp - 25'
10-3127 - 230V - 15 Amp - 25'



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