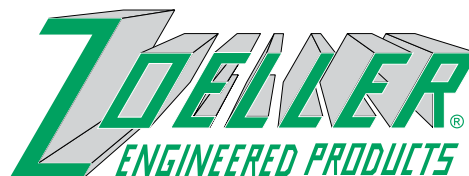


"QUALITY PUMPS SINCE 1939"

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



SECTION: Z5.00.120

ZM1536

1106

Supersedes

0605

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

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



STARTER PAKS

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	6840 / 6841	Shipped Loose
10-0918	6111 / X6111	Shipped Loose
10-0916	6120 / 6121 / X6120 / X6121	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	6840 / 6841	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



Tested to UL Standard
UL 508 & Certified
to CSA Standard
C22.2 No. 205

"A-PAK II" ALARM SYSTEM FEATURES

Model 10-0126

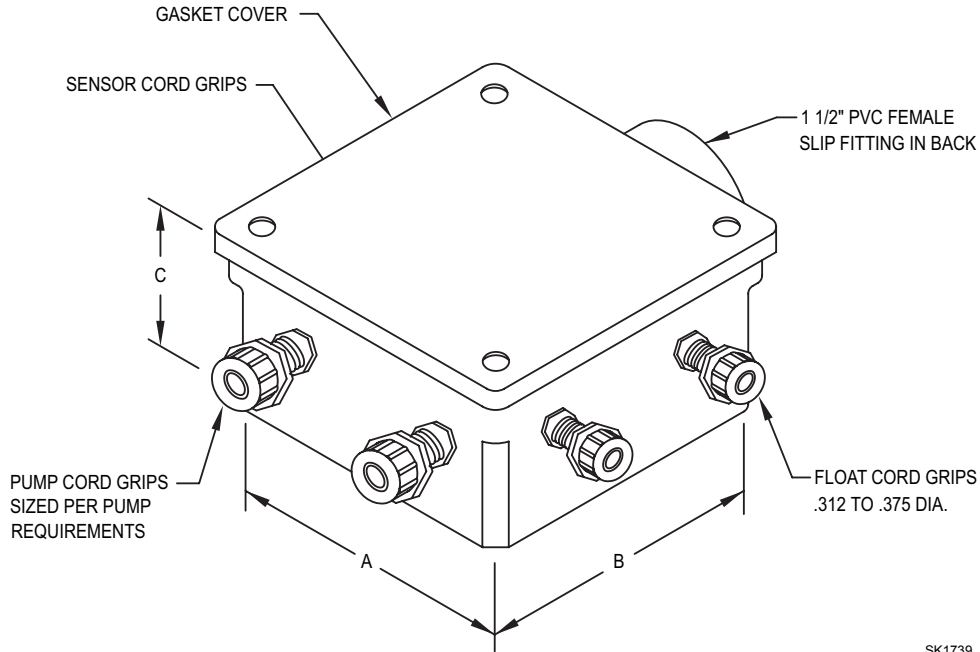
- NEMA 4X thermoplastic alarm panel
- Horn & light warn of high liquid levels
- Test and silence switch
- Auxiliary dry high level alarm contacts - 5 amps
- Operates on separate circuit from pump 115V, AC
- UL and CSA certified for water and sewage
- Float switch with 20' cable included
- Can be used 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 X71 Series	< 20 Amps	Simplex	6"	6"	4"	1 pump / 1 sensor / 3 float
10-0987	61HD, 62HD and X71 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.

**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 and mercury variable level control switches are rated for 115/230V, 5 Amps.
- Low current mechanical variable level control switches for intrinsically safe relays are rated for 125 VAC/30 VDC, 0.1 Amps.
- 18/2 Type SJOW CPE Cord-Standard.
- Long cords are available in 15-25-35-50 foot lengths.
- Temperature rating of 140°F (60°C).
- 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.

VARIABLE LEVEL CONTROL SWITCHES



Pipe Clamp Type



Adjustable Weight



May not be exactly as pictured.



FLOAT SWITCHES				
Mercury** P/N	Mechanical		Cord Length	Mounting Method
	Standard P/N*	Low Current P/N***		
10-0225	10-0743	10-2060	15	Clamp
10-1329	10-0744	10-2061	20	Clamp
10-0017	10-1877	10-2062	25	Clamp
10-0022	10-1878	10-2063	35	Clamp
10-0044	10-1879	10-2064	50	Clamp
10-0054	10-1880	10-2065	15	Adjustable Weight
10-0741	10-1881	10-2066	25	Adjustable Weight
10-0135	10-1882	10-2067	35	Adjustable Weight
10-0742	10-1883	10-2068	50	Adjustable Weight

FLOAT SWITCH TREES				
Mercury** P/N	Mechanical		Cord Length	Mounting Method
	Standard P/N*	Intrinsically Safe P/N		
10-1456	10-1456	10-1456	---	Tree Only
10-1457	10-1886	10-2069	15	(3) 15' Floats & Tree
10-1458	10-1887	10-2070	15	(4) 15' Floats & Tree

* Do not use with intrinsically safe control systems.

** Mercury products are not approved for sale in: CA, CT, ME, RI. Effective 1/1/07-VT; 7/1/07-IL; 1/1/08-NY; 5/1/09-MA similar restrictions will apply. Please review latest IMERC notification for additional information.

*** For use with intrinsically safe control systems only.

SWITCH-MATE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH (VLFS)

- Converts nonautomatic pump to automatic pump.
- Simple installation.
- Adjustable/Variable level.
- Standard 15' and 20' 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.
- Use recommendation chart for switch selection.

SINGLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

13 Amp Maximum

Normally Open (NO)

10-0055 - 115V - 10'
10-0034 - 115V - 15'
10-0035 - 230V - 15'
10-0063 - 115V - 20'
10-0706 - 230V - 20'
10-0311 - 230V - 25'
10-1956 - 230V - 35'

15 Amp Maximum

Normally Open (NO)

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

20 Amp Maximum

Normally Open (NO) w/o Plug

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



Canadian Standards Association approval available.



DOUBLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

Mechanical

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

Mercury

10-0229 - 115V - 15 Amp - 15'
10-0230 - 230V - 12 Amp - 15'



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Product may not be exactly as pictured.

