

TYPE P2BPTABAKHOL AUTOMATIC CONTROL BOX

D.O.L. Starters for Nom. 3-10HP Three Phase Pumps

For dirty water and sewage applications.

Designed for the control and running of 400V three phase pumps, offering protection against dry running, motor overload and water-in-oil. Suitable for submersible pumps with motor sizes up to a nominal 18 Amps.



MODEL	AMPS		DIM. CM H x W x D	WEIGHT KG
	MIN/MAX (Ranges)			
P2BPTABAKHOL	5.5 >18	5.5-8 / 7-10 / 9-13 / 12-18	40 x 30 x 18	12.0

OPERATION

In operation, the level control system utilises float switches operating on 24Vac. Normally three float switches are required; one upper (high level alarm), one middle (start) and one lower (stop).

TYPICAL SUMP EMPTYING APPLICATION

When the sump liquid level rises, it triggers the middle or 'start' float switch. As the liquid level falls to the set point, it triggers the lower float switch, turning the pump off. If for any reason the pump does not start and/or the liquid level rises to the top float switch, the audible alarm is triggered and the alarm indicator light on the panel is illuminated.

As a guide, it is recommended that the pump cycle should not be repeated more than 6 times per hour. In a filling application, the cycle is simply reversed.

FEATURES

BOX: Sheet steel box with double hinge to left hand side and key lock to right. 4 x wall mounting brackets. IP55 enclosure.

LID: Amber Light = Mains supply.
Green Light = Pump running.
Red Lights = Pump alarm functions.

Door Interlocking Isolator: Isolates the power supply when lid is open.

Hand-Off-Auto Switch.

Audible alarm buzzer.

Alarm on/off switch.

Pump Run Hour Counter.

INTERNALS: 50VA Transformer: To reduce 400V supply to 24Vac for level control.

Plug-In Relay: For level controls.

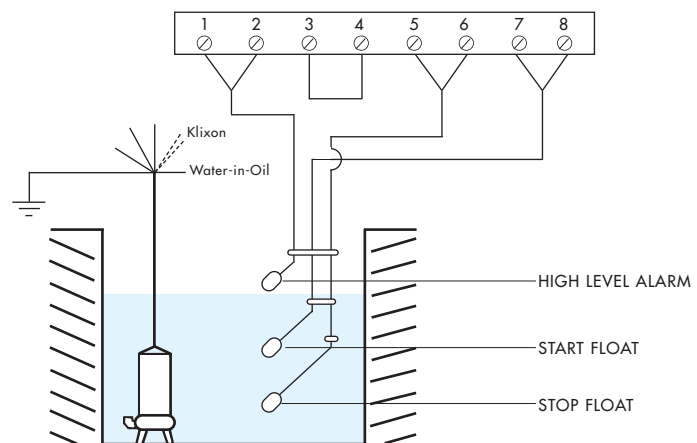
Pre-wired with Klixon switch.

Pre-wired for Oil-in-Water Probe

Contactors with Overload: Manual setting for pump running Amps.

Fuses: Fuse holders with HRC fuses on mains and auxiliary circuits.

TYPICAL SUMP EMPTYING APPLICATION



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