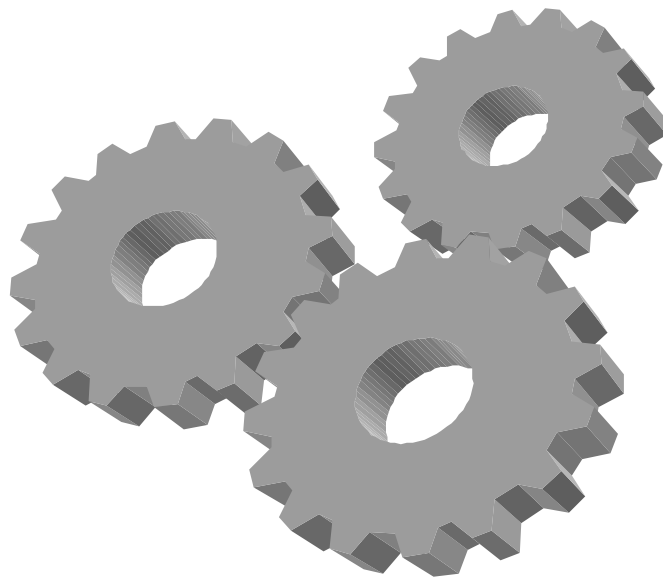


BOOSTET PUMP MANUAL
(LACK OF WATER CUT BY FLOATLESS)



CHAINARIS PHUKET ENGINEERING CO.,LTD

PRETACE

Booster Pump System to boost up Line Pressure This System have Diaphragm Pressure tank to control and Protect water, hammer made constant pressure This system have float less control to cut off when low level. Have 2 pressure switches to control pressure

Operator can operate System such as System Setting. Pressure, trouble shooting, other detail by follows this manual

We hope this instruction manual can help operator or buyer can operate system

Chainaris Phuket Engineering Co.,ltd

Organizer

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System operation

Transfer Pump use for transfer Water from 1st Storage tank to 2nd storage tank. This system automatic on, off when 2nd storage tank Short of water and full.

Control Instruction Manual

Transfer System have on when 1st storage tank have enough water (water Level higher than foot valve, level depend on installation setting) and 2nd Normally Pump 1 and Pump 2 are alterative running. If 2nd storage tank level too low cabonornaty Transfer Pump set will on pararell to keep water level raise up quickly.

Remark Please Make sure this system much have 2nd stage electrode

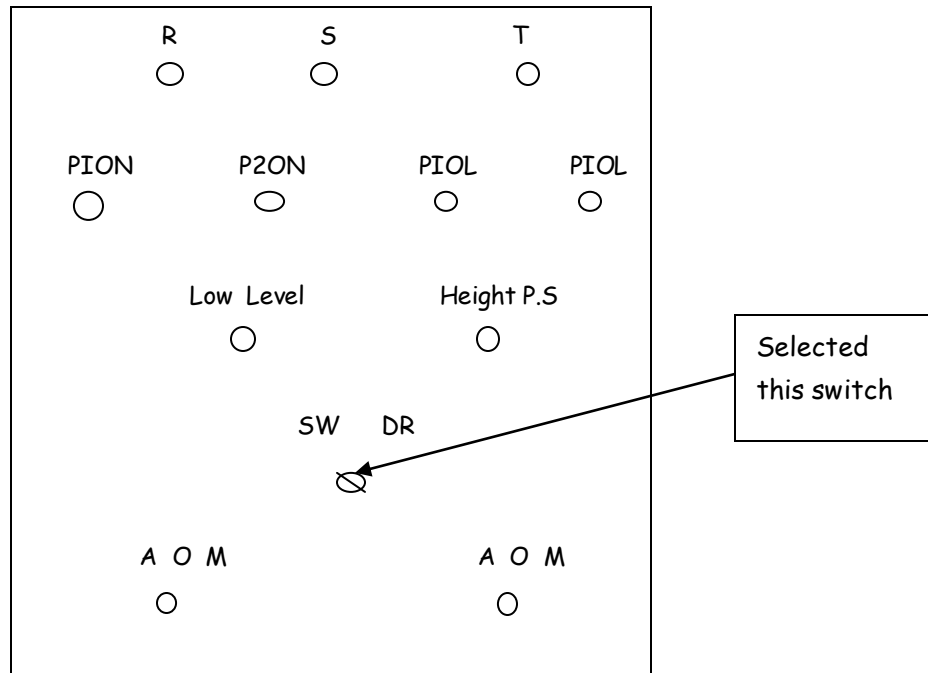
Operation

Direct Mode this mode can manual selected pump to operate. Pump will start-stop by selected. If turn selector switch to "A" Pump will Start-Stop by level switch , If turn selector switch to "M" pump will on immediately. But please careful because pump will not stop until turn selector switch to "O" (off) switching mode or

Alternative pump 1 and pump 2 will alternative working Start-Stop by pressure switch-This mode is full automatic.

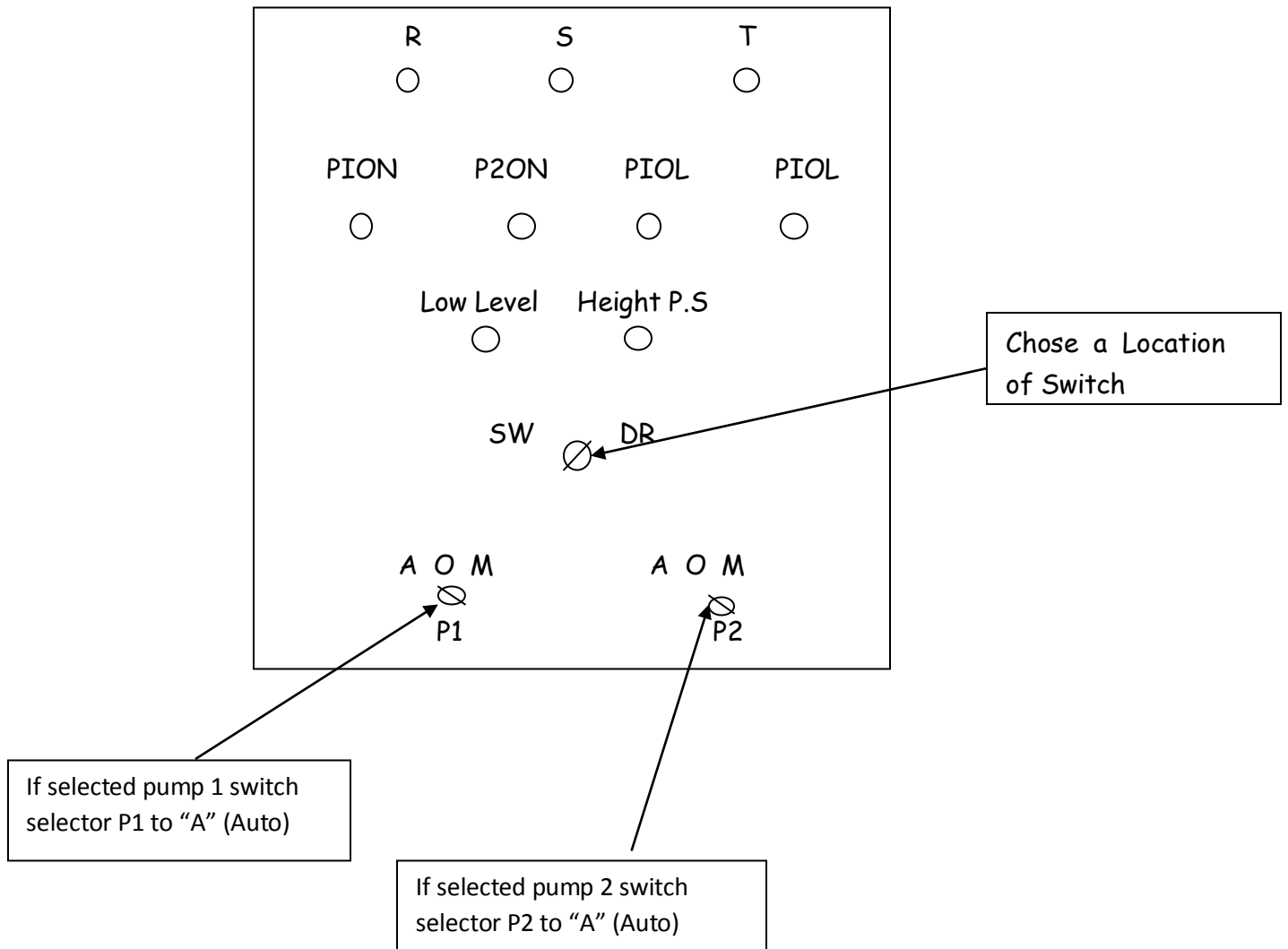
Instruction

In Switching Mode much turn selector switch to (sw) please see detail



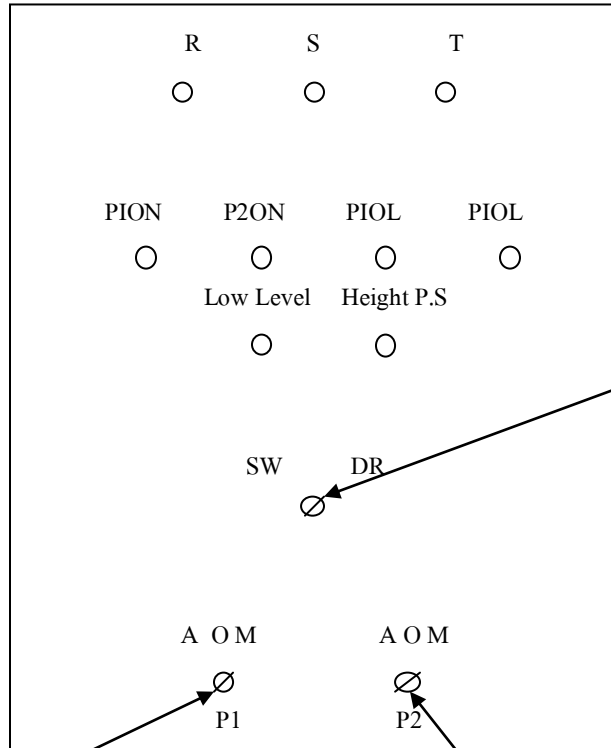
Picture 1.1 Show switch position

In Direct mode much turn selector switch to DR please selected pump 1 or pump 2 to running by switch to "A" please see detail.



Picture 1.2 Show Direct Mode position

P 1 and P 2 is twisting switch to location "M" detail this below



Chose a location of switch Direct (DR)

Chose a location of switch P1 of manual

Chose a location of switch P 2 of manual

Item	Problem	Cause	Editing
1	Pump abnormal Start-Stop	<ul style="list-style-type: none"> - Foot valve leaked. - Diaphragm Sheet Broken - Low pressure. Air in Diaphragm tank - Pressure switch broken 	<ul style="list-style-type: none"> - Check and repair - Check and repair Change Diaphragm Fill air in Diaphragm =90% Cut-in -Change pressure switch
2	Water leaked from air intake valve(Diaphragm tank)	-Diaphragm broken	Change Diaphragm
3	No air in Diaphragm tank.	<ul style="list-style-type: none"> -Air Intake valve leaked. - Diaphragm leaked. 	<ul style="list-style-type: none"> -Change Air valve -Change Diaphragm.
4	No Power or incorrect Voltage	Abnormal Voltage supply+- 10% drop or over	-Replacing the fuse to the Correct size or Re check Power Supply
5	Fuse or circuit breaker off- Cut	Fuses are not correct size or Short circuit.	Replacing the fuse to the correct size and check problem.
6	Cable damage.	The cable is loose abnormal voltage or current.	Replace and solved the problem
7	Pump lock	<ul style="list-style-type: none"> Mis-alignment. Bearing lock 	<ul style="list-style-type: none"> Set alignment Change Bearing
8	Check Valve leaked	<ul style="list-style-type: none"> Check valve Broken Have solid to block valve 	<ul style="list-style-type: none"> Replace New check valve Clean check vale