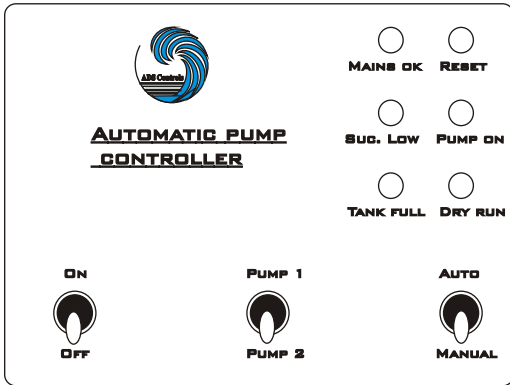


ADS AUTO PUMP CONTROLLER 2013/2014/1013-2 OPERATING AND CONNECTION MANUAL



OPERATING MANUAL -

INDICATIONS

○ GREEN	MAINS OK LED	MAIN SUPPLY IS ON.
○ YELLOW	SUC. LOW LED	U/G TANK EMPTY
○ GREEN	TANK FULL	O/H TANK FULL
○ RED	PUMP ON LED	PUMP IS ON
○ RED	DRY RUN LED	PUMP RUNNING DRY

AUTO OPERATION

KEEP THE SWITCH IN AUTO POSITION.
SELECT THE PUMP 1 OR PUMP 2.
IF SWITCH IS IN AUTO POSITIONS THEN
NO NEED TO PRESS STARTER BUTTON.

SWITCHES

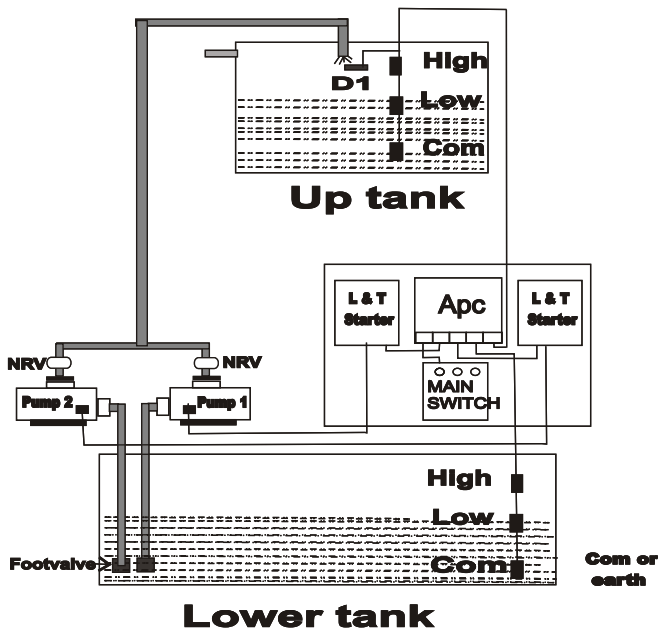
ON/OFF	MAINS POWER ON /OFF SWITCH
PUMP1 /PUMP2	PUMP 1/ PUMP 2 SELECTOR SWITCH
AUTO/MANUAL	AUTO/ MANUAL SELECTOR SWITCH
RESET	SUC TANK SEMI AUTO RESET SWITCH

MANUAL OPERATION.

PUT THE SWITCH IN MANUAL POSITION.
SELECT THE PUMP 1 OR PUMP 2.
CHECK THE PUMP VALVES ARE OPEN OR CLOSED
TO **START** THE PUMP PRESS STARTER GREEN BUTTON.
TO **STOP** THE PUMP, PRESS STARTER , RED BUTTON.

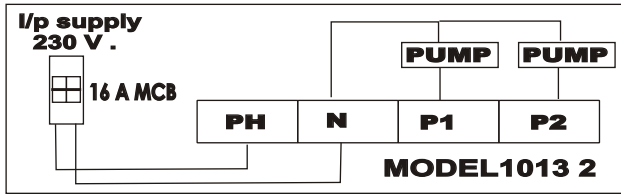
Connection drawing

for sensore up tank /low tank/dry run
for 1013 / 2013 / 2014



INSTALLATION PROCEDURE

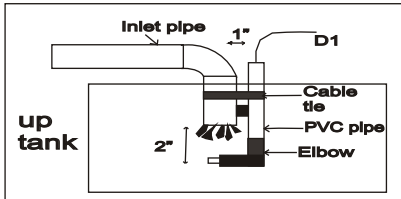
- 1) The instrument should be fitted on wooden plate or with proper arrangements.
- 2) Tank sensors should be connected properly as shown in diagram. The Upper sensor in O/H tank should be below the overflow pipe. Lower sensor in Ground tank should be above the footvalve level.
- 3) 4 core cat 6 or 23/36g cable should be used for connection. (Two cores for two levels, One core for common & one for dry run sensor)
- 4) 1.5 3core or equivalent cable with Proper wiring, should be done to connect the instrument with starters of pumpset.
- 5) To install dry run sensor, it should be in such a way that water should flow on the dry run sensor continuously in O/H tank. Maintain air gap between dry run sensor & pipe approximately 1" to 2".
- 6) Connect dry run sensor wire to D1 in the instrument.



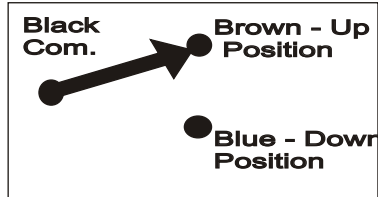
PH	N	R1	G1	B1	R2	G2	B2		HI	LO	CO	HI	LO	CO	D1	D2
I/P 230V		PUMP 1 STARTER			PUMP 2 STARTER				LOWER TANK			UPPER TANK			DRY	

Model 2014

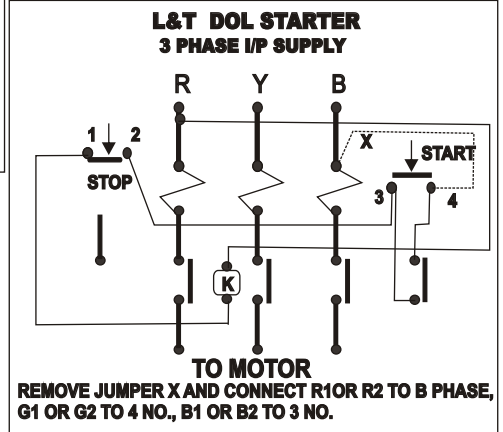
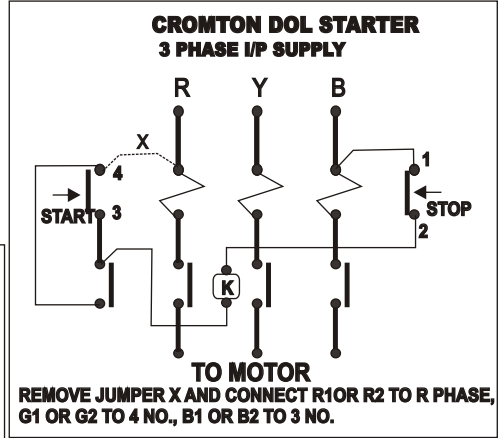
R	Y	B	R1	G1	B1	R2	G2	B2		HI	LO	CO	HI	LO	CO	D1	D2
I/p supply 415 V 3Ph.			PUMP 1 STARTER			PUMP 2 STARTER				LOWER TANK			UPPER TANK			DRY	



Dry run sensor connection



Float switch connection (Optional)



Ads controls (Mumbai)-

Testing report : Sr. No. : _____

Model ; _____ Date : _____

Testing report of Automatic Pump Controller

Mechanical checks	
1. Transformer fitting	
2. Spp fitting	
3. Apc card fitting	
4. Out put terminal	
5. Cpu connectors and wires	
6. On /Off switch	
7. Pump 1/ Pump 2 switch	
8. Auto /Manual switch	
9. Led indication	
9. Front Stickers	

Electrical checks	
1. Supply voltage transformer	
2. Spp tripping	
3. Dry run tripping	
4. Sensor operation	

Tested by	
Sign & date	

Stamp and sign

Ads controls Mumbai

Specifications

Apc box ms powder coating
 Dimensions : 160 mm x 160 mm x 110 mm
 Sensors type : SS 304 or float (optional)
 Weight : 2.5 kg



Ads controls (Mumbai)-