



ECO-HOME

Constant Pressure Inverter Booster Pump

*Your gratification to enjoy constant water supply
at private home is our mission*

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Constant pressure range: 1.5 bar -3.5 bar
 Frequency range: 50Hz - 60Hz
 Protection grade: IP 65

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 Protection grade: IP 65

Max. Ambient temperature: 45C
 Ambient humidity: Less than 90%

Power Supply Required: 220-240V +/-10%

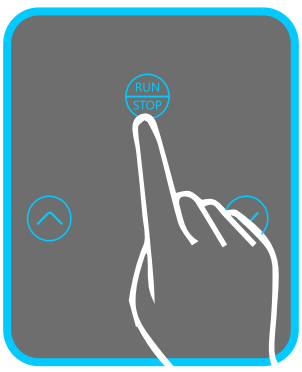
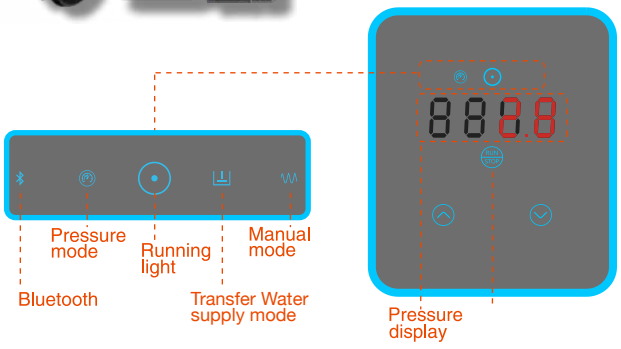
Pump Specification

Eco-Home 2-40
 Capacity: 1.5-3.5m3/hr
 Head: 3.2-1.8 bar
 Power Rating: 0.55KW

Eco-Home 4-40
 Capacity: 2.0-7.0m3/hr
 Head: 3.5-1.8 bar
 Power Rating: 0.75KW

Release air by unscrew the priming nut before commence the operation

Single phase power supply: 220-240



- RUN/STOP
- UP/+ DOWN/-
- MANUAL MODE
- Enter the menu
- Current display
- Voltage Display

MENU	SETTING RANGE	DEFAULT
00 Motor Running Direction	0/1 CW/CCW	0
01 Motor Working Frequency	35-65 Hz	50
02 Pressure Transmitter	10 bar	10
03 Carrier Frequency	5-16KHz	13
04 Motor Starting Acceleration	0-99sec	30
05 Motor Stop Acceleration	0-99sec	10
	The smaller, the easier to stop (Stop Delay time)	
06 Starting Pressure Differences	0.2-0.5bar	0.3
07 Anhydrous Judgement Pressure	0.2-1bar	0.4
08 Leakage Alarm	0(Stop)/1(Bypassed) (For Current Protection Switch, 0 No protection, 1 Protection)	1
09 Leakage Judgement Time	1-10min	2
10 Percentage Value P	1-99	8
11 Integral Time I	1-99	6
12 Differential D	0-50	1
13 Water Tower Mode Switch	0/1	1
14 Water Tower Mode Delay	0-99min	30
	Start the countdown when the pressure is lower than the starting pressure	

CONTENT	REASONS	
E01 Over voltage	NO	Try to reset again after 1 minute and try again after 30 minutes
E02 Low Voltage	Rated Voltage -15%	
E03 Sensor Fault	Open Circuit, Short Circuit	
E04 Leakage Alarm	Pipeline Leakage	Check pipeline leakage
E05 Serial Communication	Communication failure between panel and baseplate	Check the wiring
E06 IPM module protection	Module Over current protection	Check Motor Wiring
E07 Overcurrent (Overload) protection	Stop (more than 2 times the rated current and 1.5 seconds), and stop (more than 1.5 times the rated current and 60 seconds)	Check Motor and Pipeline
E08 Overheating protection	The IPM module was shut down after 5 minutes when the temperature was over 90 degree, Reset and start after 10 minutes, try to restart again after 30 minutes.	Check the inverter has any effect of heating dissipation
E09 Pressure of Water shortage	Run for 1 minute lower than water shortage pressure, stop for 1 hour.	Check water inlet pipe, water tank
E10 Float Water shortage	Tank without water	
E11 Motor out of Phase Protection	Manual recovery	Check Motor Winding



Parallel Pump Setting

Step 1

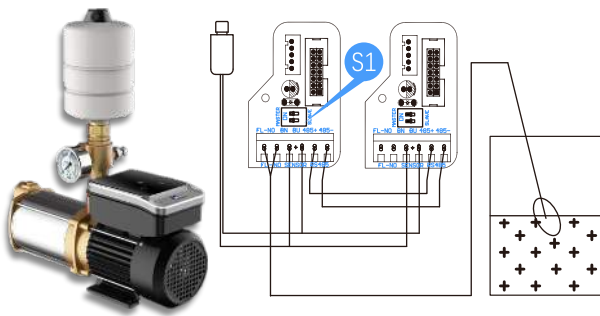
Hardware Setting - Set S1 switch that needs to be set as the **MASTER VDF** to the Master position, and all other **VFDS** to the SLAVE position.

Step 2

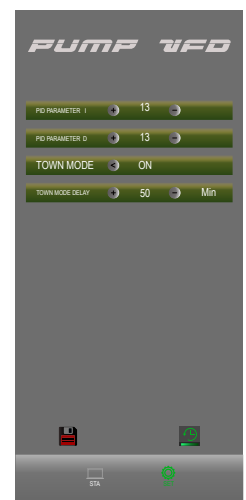
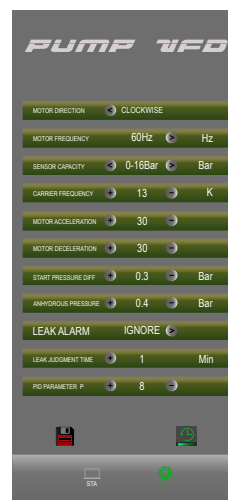
Software Setting - Set **MASTER, SLAVE** as A0, A1, A2, A3 respectively in order.

SOFTWARE SETTING MENU WAY

VDF power on, **LED** light, then display **Version** number, Press **UP** button to display **A0**, Press **UP** an **DOWN** button to adjust the machine serial number as requires.



Mobile Apps





Authorized Dealer

KEKALBOLEH SDN BHD
(199901021248/496148-K)
Lot No. 7, Lorong Perindustrian Kolombong Jaya,
Pusat Perindustrian Kolombong Jaya,
Mile 5.5, Jalan Kolombong,
88450 Kota Kinabalu, Sabah.
Tel/WhatsApp: 088-385555 / 013-8867570
Website: kekalboleh.com