

# SMART PUMP CONTROLLER

## Smartwater

BHC 122, AC220V/50Hz, 0.37 - 2.2KW

### MAIN INTRODUCTION

BHC122 is an easy to use simple and reliable smart single-phase pump control and protection device, which can be widely used to control and protect deep well pump, sewage pump, self-priming pump, centrifugal pump, pipe-line pump, etc.

### MAIN TECHNICAL DATA

- Start type: DOL (Direct on line)
- QTY of controller pump: Single pump control
- Support external sensing devices:
  - Float switch (ON/OFF)
  - Pressure switch (ON/OFF)
  - Liquid probe
  - PT100 temperature sensor (Separate PT100 temperature sensor expansion module required)
- Capacitor: reserved space for installing start capacitor
- Rated input voltage & output power



Max Motor Output at AC 220V / 1Phase		Capacitor	Full Load (A)	Max Starting (A)
HP	kW	uF		
0.5	0.37	16	12A	60A
0.75	0.55	20		
1.0	0.75	30		
1.5	1.10	40		
2	1.50	60		
3	2.20	70		

### OTHER FEATURES

- Pure cycle timer control
- Pump stop timer under manual control state
- Auto / Manual operation
- Interactive LCD displays pump running information
- Easy calibration by push of button
- Pump accumulative running time display
- Pump last five fault record displaying
- Protection with adjustable parameters
- Memory function when power off & power recovery
- Reliable and stable quality electronic components

### PROTECTION FUNCTION

- Dry run protection
- Pump stall protection
- Overload protection
- Under voltage protection
- Over voltage protection