



45uF +/- 5% 450V 50/60 Hz

## PRODUCT DETAILS

The BIANCO NXT IPROTECT is a module intended to control and protect a single pump. The user can select a control logic sequence to match their application and enjoy the benefits of superior control and protection for the pump.

Supplied with a 16uF capacitor, the NXT IPROTECT 1-22 acts as a starter box while providing control and protection to single phase '3 wire' PSC type bore pump motors. The controller is prewired and the casing has internal space and a bracket to install the start capacitor inside the enclosure.

There are 3 primary control logic modes but the 2 modes relevant to bore pump applications are

- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

By digitally monitoring the running current, the response time of the BIANCO NXT IPROTECT is superior to traditional analogue overload methods.

Inbuilt run/stop timers make this the perfect solution for managing low yielding bores

## PROTECTION FUNCTIONS

Alarm parameters are programmable and in some instances trip and recovery time settings can be altered.

- Over voltage
- Under voltage
- Dry Run (under current)
- Overload (over current)
- Pump stall
- Open phase
- Phase reversal (3 phase models only)
- 'Anti-seize' function in drainage mode
- Last 5 error log

BIANCO NXT IPROTECT has an audible alarm and a flashing screen to indicate an alarm state

## CONTROL INPUTS

- Switched input - float, pressure switch, temperature switching
- Level probe (capacitance type probes)

## TECHNICAL DATA

<b>RATED VOLTAGE (V)</b>	1Ph 230V +10/-6%
<b>MAX AMPERAGE</b>	30 amps
<b>DEGREE OF PROTECTION</b>	I.P. 65
<b>WORKING HUMIDITY</b>	20% - 90% RH

<b>POWER CABLE &amp; MATERIALS</b>	None - bare controller only
<b>WORKING TEMPERATURE</b>	-25degC to 55 deg C
<b>UNIT DIMENSIONS (L X W X H)</b>	275mm x 200mm x 125mm
<b>UNIT WEIGHT (NET)</b>	1.168 kg