

PRODUCT DATA SHEET

BIA-NXT-PROTECT 1-22 • 811202



PRODUCT DETAILS

The Bia nXt-Protect 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.

There are 3 primary control logic modes

- 'Drainage' where control concentrated at the source
- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

nXt-Protect 1-22 is especially useful to provide protection to single phase '3 wire' PSC tyre bore pump motors.

The nXt-Protect casing has internal space and a bracket to install the start capacitor inside the enclosure.

By digitally monitoring the running current, the response time of the nXt-Protect is superior to traditional analogue overload methods.

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

nXt_Protect 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

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

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