

# PRODUCT DATA SHEET

BIA-NXT-PROTECT 3-75 • 811204



## 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

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
- '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

<b>RATED VOLTAGE (V)</b>	3 Ph 400V +10/-6%
<b>MAX AMPERAGE</b>	18 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