

# PRODUCT DATA SHEET

BIA-NXT-SPC 1-22 PRO • 811361

## PRODUCT DETAILS

The Bia nXt-SPC (Single Pump Controller) is a module intended to control and protect an individual single phase pump up to a nominal 2.2 kW. 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 - SPC has RS485 modbus interface to connect to a BMS and is enclosed in a robust dual door, lockable metal cabinet

## PROTECTION FUNCTIONS

Protection functions can be set, enabled or disabled independently

- Over voltage
- Under voltage
- Dry Run (under current)
- Overload (over current)
- Pump stall
- Open phase protection
- Phase reversal (3 phase models only)
- Phase in-balance (input / output)
- Pump anti-seize (96hr default)
  
- Manual or Automatic operation
- nXt-SPC has an audible alarm and a flashing light to indicate an alarm state.
- Fault log
- Pump accumulated running time memory
- Pump start / stop delay time setting

## CONTROL INPUTS

- Switched input - float, pressure switch, temperature switching
  - Level probe (capacitance type probes)
- OR
- 4-20mA level or pressure transmitter



- Powder Coated Steel



## TECHNICAL DATA

<b>RATED VOLTAGE (V)</b>	1Ph 230V +10/-6%
<b>MAX AMPERAGE</b>	18 amps
<b>DEGREE OF PROTECTION</b>	I.P. 54
<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 (W X D X H)</b>	W 350mm x H 450mm x D 250mm
<b>UNIT WEIGHT (NET)</b>	14.5 kg approx