



## CONTROL INPUTS

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

## PRODUCT DETAILS

The BiANCO NXT-DPC (Dual Pump Controller) is a module intended to control and protect a pair of three phase pumps up to a nominal 4.0 kW ea. 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 is concentrated at the source
- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

NXT-DPC has 2 x passive dry contacts and is equipped with a RS485 modbus interface to connect to a BMS

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

## 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 imbalance: input / output (3 phase models only)
- Pump 'Anti-seize' function (96 hr default)
- Last 5 error log
- Manual or Automatic operation
- NXT-DPC has an audible alarm and a flashing light to indicate an alarm state. It supports an external alarm unit
- Pump accumulated running time memory
- Pump start / stop delay time setting

## TECHNICAL DATA

<b>RATED VOLTAGE</b>	3Ph 400V +10/-6%
<b>MAX. AMPERAGE</b>	12 amps pre pump
<b>DEGREE OF PROTECTION</b>	I.P. 65
<b>WORKING HUMIDITY</b>	20% - 90% RH

<b>POWER CABLE</b>	None - bare controller only
<b>OPERATING TEMPERATURE</b>	-25 degC to 55 deg C
<b>UNIT DIMENSIONS</b>	342mm x 253mm x 130mm
<b>UNIT WEIGHT (NETT)</b>	3.3kg approx