

PRODUCT DATA SHEET

BIA-NXT-DPC 3-40 • 811200



PRODUCT DETAILS

The Bia 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 pumps.

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

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
- Phase in-balance (input / output)
- Pump anti-seize (96hr default)

- 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
- 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

TECHNICAL DATA

RATED VOLTAGE (V)	3Ph 400V +10/-6%
MAX AMPERAGE	12 amps per pump
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)	342mm x 253mm x 130mm
UNIT WEIGHT (NET)	3.3 kg approx