BiANCO NXT controls

PRODUCT DATA SHEET

BIA-NXT-DPC3-110

811201



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 11 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 inbalance: 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

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

TECHNICAL DATA

RATED VOLTAGE	3Ph 400V +10/-6%
MAX. AMPERAGE	25 amps per pump
DEGREE OF PROTECTION	I.P. 54
WORKING HUMIDITY	20% - 90% RH

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