

Intelligent Pump Controls



An evolution in intelligent pump controllers

Designed and tested in Australasian conditions for pumps supplying clean, non-volatile liquids to ensure operation in the toughest of environments.

Combining innovative technology with robust proven architecture to guarantee constant supply of pressurised water when and where you need it the most.

2021



Innovative flow sensor/ non return poppet. Easy to clean or replace.

Push and Connect tool-less swivel fittings 1" port standard for all models. For flows up to 150 lpm

1¼" unions available nXt Pro & Pro Plus models For flows up to 350 lpm

Digital display of running conditions. Easy programming with full button-press menu.

\$

Removeable tank on nXt Pro and nXt Pro Plus models

ACCESSORIES

1¼" Push-n-Connect Kit

BIA-NXTUNION32 808431

15 amp leads DAB-15APLUGLEAD 808018

IEC to 3 pin adaptor BIA-AXADAPTOR 808675

0.3L Accumulator BIA-NXTTANK 808432



Please always refer to our website for further technical information & new product innovations



Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications. Product images are representations only.

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SINGLE MODE Single Pump Pressure Controller BIA-NXT 808034

Controls a single pump up to 1.5 kW fitted with 'Plug and Play' leads

Preset 2.2 bar cut in



COMMON FEATURES: ALL MODELS

- Through-flow controller

 Electrical components
 isolated from water flow.
 Simplified plumbing with
 "tool-less". Push and
 Connect fittings.
- Controller can be mounted in any direction
- Visual display of actual pressure, pump running or error codes.
- Dry run protection and auto restart cycle
- Anti-cycle protection against excessive pump starts



DUAL MODE Single Pump Controller

BIA-NXTPRO 808035

Controls a single pump up to 2.2kW fitted with 'Plug and Play' leads

MODE 1:

User adjustable pump start pressure Pump stops on low flow (less than 0.9 lpm)

MODE 2:

User adjustable pump start pressure User adjustable pump stop pressure



ADDITIONAL FEATURES: NXT PRO AND NXT PRO PLUS

- Selectable operating modes for advanced pump control options
- Removable 0.3L Pressure Tank, or direct connection of external tank
- Selectable low flow disable option for trickle feed systems
- Programable Dry-run protection using under-current monitoring



TRIPLE MODE Single or Dual Pump Controller BIA-NXTPROPLUS 808036

Suitable for dual pumps up to 2.2kW each

MODE 1:

User adjustable pump start pressure Pump stops on low flow (less than 0.9 lpm) Duty / Standby

MODE 2:

User adjustable pump start pressure User adjustable pump stop pressure Duty / Standby

MODE 3:

User adjustable cut-in pressure for each pump User adjustable cut-out pressure for each pump Duty / Assist

Mod-bus RS485 comms available 2021



- Programable overload protection
- User-adjustable maximum pump run-time
- Pump anti-seize feature runs pump periodically to stop mechanical binding when not in use
- Flows up to 150lpm/9m³/hr through standard 1" ports
- Optional $1\frac{1}{4}$ " ports for flows up to $350 \text{ lpm}/18\text{m}^3/\text{hr}$

'240V 1 Ph '240V 1Ph 1 Ph Max Amperage 10 Amp 16 Amp 2 x 16 Amp ea (when connected using correctly sized cable) Input Power 220-240V +/-6% 1ph 50Hz 80-240V 1ph 50Hz Generator compatible Connection Size 'Tool - less' Push and Connect fittings - 1" BSP Male Pressure Tank In-built accumulation only 0.3 litre (removeable) to expose 1" BSPF port User adjustable Pump Start Preset 2.2 bar Mode 1: Default 0.5 - 6.0 bar Mode 1: Default 0.5 - 6.0 bar	NXT CONTROLLER SPECIFICATIONS				
Modes Single Dual Triple Function ON/OFF Control ON/OFF Control ON/OFF + Config ON/OFF + Config Rating Single pump up to 1.5kW @ 240V 1Ph Single pump up to 2.2kW @ 240V 1Ph Dual pumps up to 2.2kW ea @ 240V 1Ph Max Amperage 10 Amp 16 Amp (when connected using correctly sized cable) Input Power Tank 220 - 240V +/-6% 1ph 50Hz 80 - 240V 1ph 50Hz Generator compatible Connection Size 'Tool - less' Push and Connect fittings - 1" BSP Male Pressure Tank In-built accumulation only 0.3 litre (removeable) to expose 1" BSPF port User adjustable 0.5 - 6.0 bar Pump Start Preset 2.2 bar Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Pump Stop Flow less than 0.9 lpm Mode 1: Mode 1: How less than 0.9 lpm Mode 2: User adjustable 1.8 - 9.0 bar Max Pressure Temp 3 - 60°C Mode 2: User adjustable 1.8 - 9.0 bar Max Air Temp 3 - 50°C Soc Pup Max Air Temp 150 lpm - 1" outlet 3 - 50°C Max Flow 150 lpm - 1" outlet 3 - 50°C Max Air Temp	MODEL	NXT	NXT PRO	NXT PRO PLUS	
Function ON/OFF Control ON/OFF + Config ON/OFF + Config Rating Single pump up to 1.5kW @ 240V 1 Ph Single pump up to 2.2kW @ 240V 1 Ph Dual pumps up to 2.2kW @ 240V 1 Ph Dual pumps up to 2.2kW @ 240V 1 Ph Max Amperage 10 Amp 16 Amp 2x 16 Amp ea (when connected using correctly sized cable) Input Power Size 220 - 240V +/- 6% 1ph 50Hz 80 - 240V 1ph 50Hz 2x 16 Amp ea (when connected using correctly sized cable) Pressure Tank Tool - less' Push and Connect fittings - 1" BSP Male 0.3 litre (removeable) to expose 1" BSPF port Pressure Tank In-buit accumulation only 0.3 litre (removeable) to expose 1" BSPF port Pump Start Preset 2.2 bar Mode 1: Default 2.2 bar Mode 1: Default 2.2 bar Pump Start Preset 2.2 bar Mode 2: User adjustable 0.5 - 6.0 bar Mode 1: Default 2.2 bar Pump Stop Flow less than 0.9 lpm Mode 2: User adjustable 0.5 - 6.0 bar Mode 1: Flow less 180w less than 0.9 lpm Max Pressure Flow less than 0.9 lpm 0.9 lpm Mode 2: Mode 2 and 3: User adjustable 1.8 - 9.0 bar Max Air Temp 150 lpm - 1" 3 - 60°C Mode 2 and 3: User adjustable 1.8 - 9.0 bar User adjustable 1.8 - 9.0 bar Max Air Temp 150 lpm - 1" 3	Item Code	808034	808035	808036	
Punction Control UN/ UF+ + Contrg UN/ UF+ + Contrg Rating Single pump up to 1.5kW @ Single pump up to 2.2kW @ Dual pumps up to 2.2kW @ Dual pumps up to 2.2kW @ UV UF+ + Contrg Max Amperage 10 Amp 16 Amp 2x 16 Amp ea (when connected using correctly sized cable) Input Power 220 - 240V +/- 6% 1ph 50Hz 80 - 240V 1ph 50Hz Generator compatible 2x 16 Amp ea (when connected using correctly sized cable) Connection Size Tool - less' Push and Connect fittings - 1" BSP Male 0.3 litre (removeable) to expose 1" BSPF port Pressure Tank In-built accumulation only 0.3 litre (removeable) to expose 1" BSPF port Pump Start Preset 2.2 bar Mode 1: Default 2.2 bar Mode 1: Default 2.2 bar Mode 1: Default 2.2 bar Pump Storp Preset 2.2 bar Mode 2: User adjustable 0.5 - 6.0 bar Mode 1: Mode 1: Flow less than 0.9 lpm Mode 2: User adjustable 0.5 - 6.0 bar 0.5 - 6.0 bar Max Pressure Flow less than 0.9 lpm 0.9 lpm Mode 2: Iser adjustable 1.8 - 9.0 bar User adjustable 0.5 - 6.0 bar Max Pressure 10 bar Mode 2 and 3: User adjustable 1.8 - 9.0 bar User adjustable 1.8 - 9.0 bar Max Air T	Modes	Single	Dual	Triple	
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		Flylead supplied when purchased as control only No Cables - user to fit			
	Power Cable			Hardwired (No Cable)	
IP Rating IP65	IP Rating	IP65			
Accessories n/a 15 AMP Cable	Accessories (Sold Separately)	n/a	15 AMP Cable		
(Sold 11/4" Union Kit for flows up to		n/a			

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