nXt

By
iCON

Intelligent Pump Controls

nXt
iCON

nXt
Pro
By iCON

nXt
Pro⁺
By iCON

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

WHITE®
INTERNATIONAL

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

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

Push and Connect tool-less swivel fittings

Removeable tank on nXt Pro and nXt Pro Plus models

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

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

No limits. Mount in any direction.

Please always refer to our website for further technical information & new product innovations
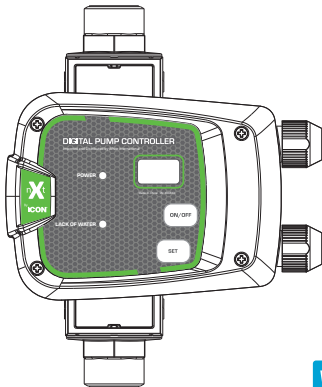
n**X**t

By **iCON**

Single Pump Pressure Controller
BIA-NXT 808034

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

Preset 2.2 bar cut in

iCON SERIES
2
2 YEAR PUMP WARRANTY

Approved for Drinking Water
AS/NZ 4020

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

nXt Pro
By iCON

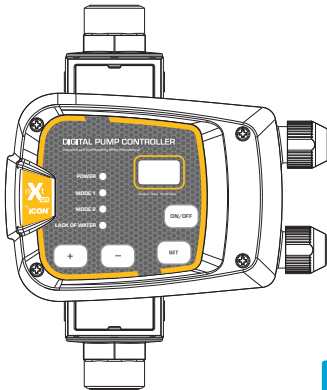## Single Pump Controller

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

ICON SERIES
2
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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

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Pro⁺
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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
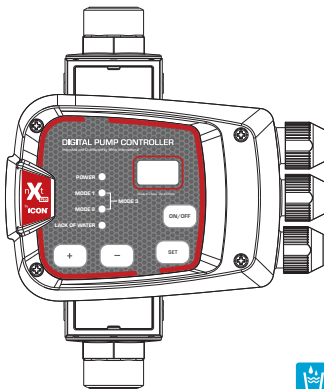Pump stops on low flow (less than 0.9 lpm)
Duty / Standby

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**

iCON SERIES
2
2 YEAR PUMP WARRANTY

Approved for
Drinking Water
AS/NZ 4020

- 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 1¼" ports for flows up to 350 lpm/18m³/hr

NXT CONTROLLER SPECIFICATIONS

MODEL	NXT	NXT PRO	NXT PRO PLUS
Item Code	808034	808035	808036
Modes	Single	Dual	Triple
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 1Ph	Dual pumps up to 2.2kW ea @ 240V 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	
Pump Start	Preset 2.2 bar	Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Mode 2: User adjustable 0.5 - 6.0 bar	Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Mode 2: User adjustable 0.5 - 6.0 bar
Pump Stop	Flow less than 0.9 lpm	Mode 1: Flow less than 0.9 lpm Mode 2: User adjustable 1.8 - 9.0 bar	Mode 1: Flow less than 0.9 lpm Mode 2 and 3: User adjustable 1.8 - 9.0 bar
Max Pressure	10 bar		
Max Water Temp	3 - 60°C		
Max Air Temp	3 - 50°C		
Max Flow	150 lpm - 1" outlet	150 lpm - 1" outlet 300 lpm - 1 1/4 outlet	
Cable to Pump	H05 10 Amp 'Plug and Play' style leads Flylead supplied when purchased as control only		No Cables - user to fit
Power Cable	H05 10 Amp as standard. 15 Amp option available		Hardwired (No Cable)
IP Rating	IP65		
Accessories (Sold Separately)	n/a	15 AMP Cable	
	n/a	1¼" Union Kit for flows up to 350 lpm/18m³/hr	