

nXt

By **iCON**

Intelligent Pump Controls



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Pro

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JAN 2021





ACCESSORIES

1 1/4" Push-n-Connect Kit

BIA-NXTUNION32
PN 808431

15 amp leads

DAB-15APLUGLEAD
PN 808018

IEC to 3 pin adaptor

BIA-AXADAPTOR
PN 808675

0.3L Accumulator

BIA-NXTTANK
PN 808432

No limits. Mount in
any direction.





Intelligent Pump Control

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SINGLE MODE

Single Pump Pressure controller.

Preset 2.2 bar cut in

BIA-NXT

PN 808034

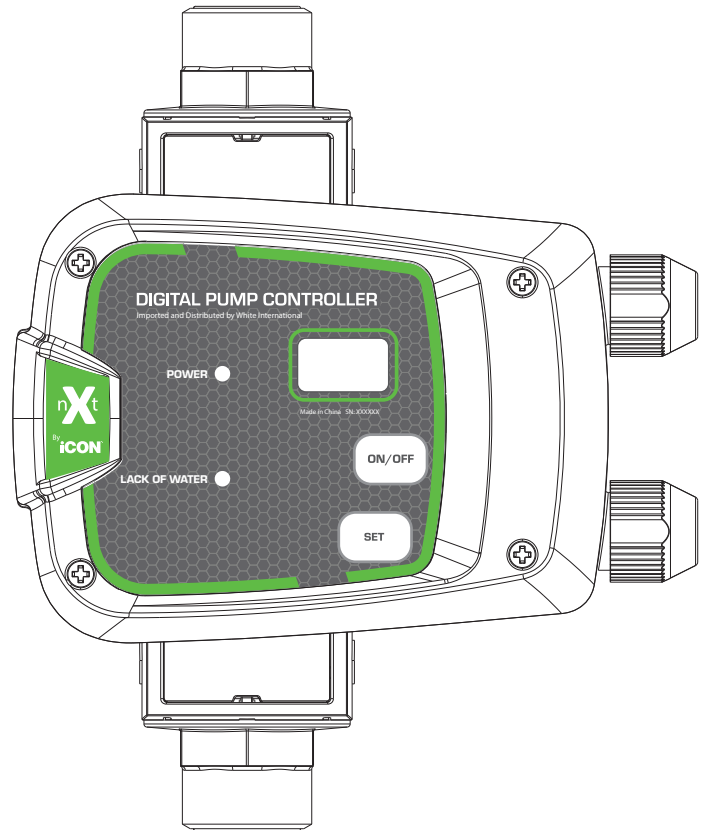
Single pump up to 1.5kW

'Plug and Play' leads

nXt - 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.



COMMON FEATURES: ALL MODELS

- Through-flow controller - Electrical components isolated from water flow. Simplified plumbing with "tool-less" Push and Connect fittings
- Innovative Flow and Pressure sensors allow controller fitting in any axis
- Visual display of actual pressure, pump running or error codes.
- Dry run protection and auto restart cycle
- Anti-cycle protection against excessive pump starts



Intelligent Pump Control

DUAL MODE

Single Pump Controller.

BIA-NXTPRO
PN 808035

Single pump up to 2.2kW

'Plug and Play' leads

MODE 1:

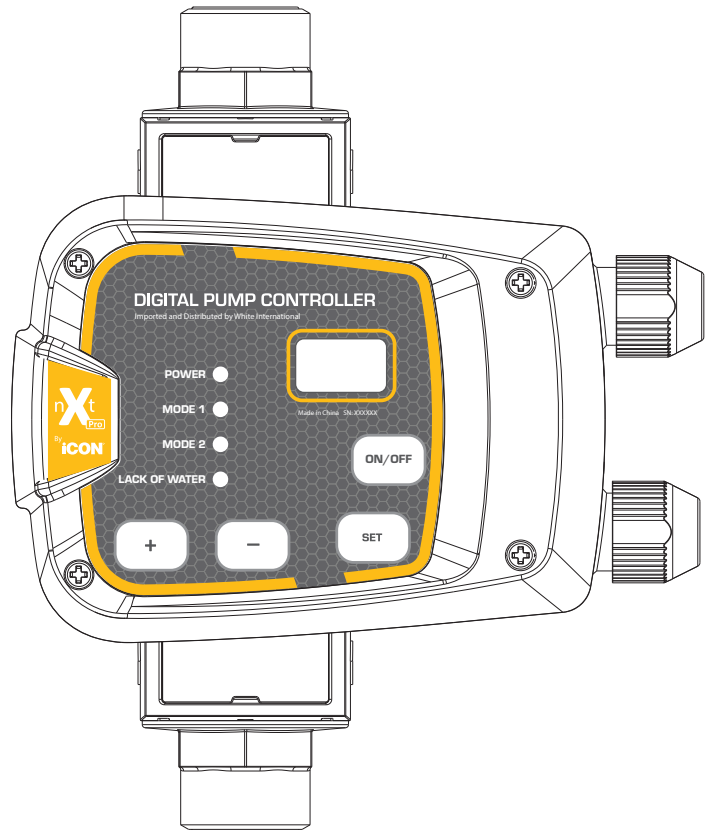
User adjustable pump start pressure

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.
- Programmable Dry-run protection using under-current monitoring
- Programmable overload protection



Intelligent Pump Control

TRIPLE MODE

Single or Dual Pump Controller.

BIA-NXTPROPLUS
PN 808036

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.

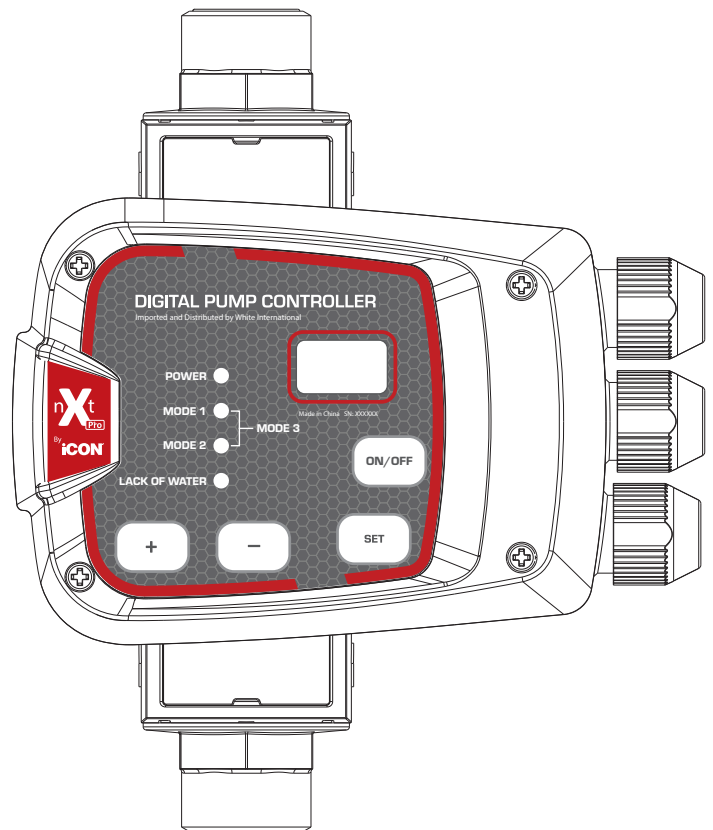
MODE 2:

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 485 comms available 2021



- 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 1/4" ports for flows up to 300 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
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	1 1/4" Union Kit for flows up to 300 lpm/18m³/hr	

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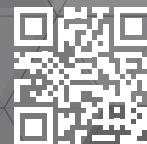
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