

variable speed



sms



pivot

intelligent



level

touch

internet



rwc



pressure



remote

radio



mpv



complete package



iCON

Pump Controllers



Technical Data

System power supply options	Single phase 1x240V, 1x480V Three phase 3x415V
Control voltage	24VDC
Clock (RTC)	Real-time clock functions (date and time)
Operating temperature	0° to 50°C
Frequency	50 or 60 Hz
Relative humidity	10% to 95% (non-condensing)
Protection	IP65/NEMA4x
Display*	LED, yellow-green, software controlled (LCD backlight; enables display to be viewed in the dark) 2 lines, 16 characters
Battery back-up*	10 years typical at 25°C. Battery back-up for RTC and system data, including variable data.
Communication*	Modem – GSM or NextG MODBUS (option)
Inputs*	Standard controller – 8 digital, 2 analogue (0-10V or 4-20mA) Advanced controller – 18 digital, 2 analogue (0-10V or 4-20mA)
Output relays*	Standard controller – 6 Advanced controller – 11
Enclosure options	IP56 PVC enclosure IP65 powder-coated metal enclosure (IP55 rating with additional of lights and/or switches)

*Not applicable to iCONtouch. Contact us for iCONtouch specifications.





iCON Pump Controllers

Smartphones, touchscreens, remote communication and the internet — never before has technology been so easy to use and so capable of meeting individual requirements. Why should pump control be any different?

Introducing the iCON range of pump controllers from CAP Industries. iCON controllers combine latest technology with innovative yet practical software designed, developed and supported in Australia to help you achieve better,

more effective control of your pumps and pumping stations. Whatever your pumping

application, we have an iCON controller to suit you. Check out our range today.

iCON pump controllers. Designed by experts...so you don't have to be.

iCON_{level}

The rugged, reliable solution for your tank fill or tank empty application (1-3 pumps)

iCON_{rwc}

Providing seamless, uninterrupted water supply in dual water source applications (1-2 pumps)

iCON_{pressure}

Working at the heart of your pumping system to maintain optimum operational efficiency within set parameters (1-3 pumps)

iCON_{mpv}

Maximising the benefits of variable speed control to reach new levels of accuracy and system performance (1-6 pumps)

iCON_{irrigator}

Managing your pump, fertigation and filter systems to deliver better, more streamlined control of your irrigation application (up to 3 pumps)

iCON_{touch}

The premium pump control solution with touch-screen interface and unique dual PID control for superior performance and reliability (Up to 6 pumps)



Simple

- Easy to install and operate
- Settings and parameters entered directly via keypad or touchscreen
- Key information displayed on screen for quick assessment of system performance
- Direct access to your system's operation and activity data
- Factory programmed to suit your system requirements

Efficient

- Automatically controls pumps and/or system operation within set parameters
- System & individual pump protection to safeguard your investment
- Data logging (events & operating data) for system analysis and performance evaluation
- Application-specific programming ensures more efficient maintenance of system setpoint

Remote Monitoring & Control

SMS & Radio (optional)

- Send and receive messages about pump status, system status, faults and warnings
- Send messages to single or multiple phone numbers
- Direct different messages to different numbers
- Automatically acknowledge messages and send confirmation when tasks are carried out
- Apply your access code to protect your system from unauthorised calls or tampering

Internet*

- View and adjust system parameters including variable speed status, motor speed, system pressure and flow
- Assess system operation via trending screens

*Internet communication available with iCON_{touch} only

Contact us today to find out which remote communication option works best for you.

Customisable

- Multiple inputs and outputs cater for site specific conditions or requirements
- Suitable for a range of monitoring and sensing devices including level/pressure switches, and level/pressure transducers
- Inbuilt functionality for remote communication
- Communicates with a wide range of external devices including BMS/SCADA and sophisticated irrigation control systems
- MODBUS communication also available

Secure

- System settings are secured via memory with battery backup
- Access code prevents unauthorised access to your control setup
- Rugged IP65 and NEMA4x rating
- Industry-standard programming tools for guaranteed longevity and upgrade path

SYS	P1	P2	P3
On	Run	Rdy	Off

Current Level
156 cm

Current Pressure
350 kPa

Pump and system data is displayed on screen in real-English.



"I use and recommend CAP Industries' iCON range of controllers because they are reliable and easy for my customers to use. Most importantly, they enable me to meet my own irrigation design criteria – to deliver efficient irrigation solutions that save power and water."

Roxene Carroll
Director, Rainlink Australia P/L