



The Icon Controller

## Raising the benchmark in pump control

**Whether it is drought or flood conditions or something in between, the challenges faced by today's irrigators are ever increasing.**

Urban and rural irrigators across Australia are looking to suppliers to help address demands for more efficient system operation, increasing regulatory and reporting requirements, rising energy costs and limited water supplies.

The iCON pump controller was designed with this in mind.

Developed by Melbourne-based CAP Industries, the iCON controller works at the heart of the irrigator's daily operation, the pump system, to ensure the consistent delivery of water from pump stations supplied by rivers, irrigation reservoirs, channels or dams according to the irrigation system's demand requirements.

Pump controllers have long been recognised for their ability to enhance overall system performance and protection. The iCON pump controller has raised the benchmark, delivering a range of benefits specifically aimed at aiding today's irrigator including:

- Easy access menu system, allowing the operator to adjust pump system parameters to suit individual irrigation system requirements;
- Full system status and data logging of key events via LCD display enabling

continuous monitoring of system operation and immediate diagnosis of system failures;

- Option for fixed-speed soft starter and variable speed control; and
- Controlled starting and stopping of pump(s) to eliminate pressure surges and water hammer.

In multiple pump systems, the iCON controller ensures the pump output matches the demand required by the irrigation system, ultimately reducing running costs as well as providing backup capacity compared to single pump systems.

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Perhaps the most important feature of the iCON controller for irrigators striving to achieve and maintain their competitive advantage is its strong focus on communication.

The iCON controller can supply information regarding system status, system alarms and fault indications via mobile or radio network communications. Remote control is also available ensuring that irrigators can effectively manage their pump systems at all times – whether in the field or from afar.