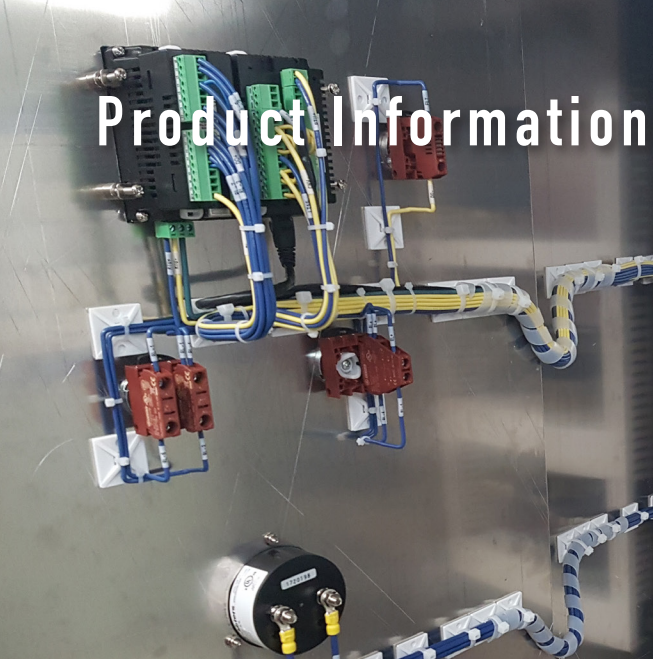


# Product Information



## Micro SCADA Ready Controller

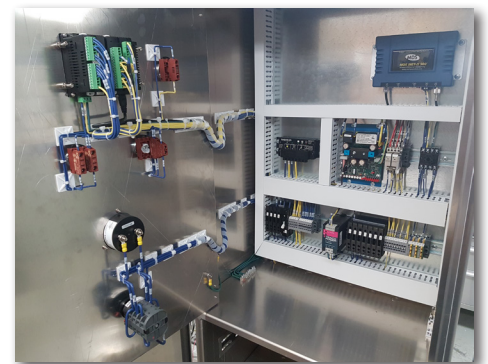
Aqua Systems 2000 introduces the Micro SCADA Ready Controller for irrigation canal control operations. Plug-and-play SCADA systems are made easy with built-in support for the widely accepted Modbus® communications protocol. Developed around an off-the-shelf industrial programmable logic controller with incorporated touch screen human machine interface, this integrated package is a reliable, flexible and user friendly control solution for both over-shot and under-shot control gates. Combined with fully operator configurable control algorithms, the Micro SCADA Ready Controller from Aqua Systems 2000 provides solid control for single gate applications.

### Features:

- Low power, 12 or 24 Vdc operation
- Suitable for solar powered applications
- NEMA 3 equipment enclosure
- Maple Systems PLC-HMI controller
- Integrated 12 or 24Vdc reversing motor starter with overload protection
- Fully adjustable control and alarm settings
- Accepts loop powered level transmitters: cable extension spring return, ultrasonic or differential pressure
- QPS Evaluation (UL/CSA equivalent) inspected
- Motor controller and circuit breaker
- Solar powered or AC with battery backup

### Control Algorithms:

- Upstream or Downstream level maintained using proportional plus reset control
- Over-shot flow control maintained using gate head differential control



### Control Applications:

- Langemann gate
- LOPAC gate
- Single-leaf overshot gate
- Undershot gate
- Slide Gate
- Trash management

### Applications Specific Options:

- AC power with battery backup
- DC solar power
- Weather-proof equipment enclosures
- Gate position feedback
- Custom control algorithms

