

# REAL CONTROLLER

WATER QUALITY  
MONITORING  
SOLUTIONS



## FEATURES & BENEFITS

- Simple to operate and control
- 4 line x 20 character backlit LCD
- Comprehensive hierarchical menu system
- Multiple sensor and accessory integration
- Modbus (RS485), one 4-20mA output as well as four digital inputs and four digital outputs (user configurable to dry contact or powered) are standard
- Optional WIFI, additional 4-20 mA, Modbus TCP and cell modem

## OVERVIEW

The plug and play Real Controller provides a simplified version of the Real Controller Pro. Featuring a character LCD display, hierarchical menu system and correlation software. A single Real Tech sensor or multiple sensors and peripheral accessory devices can easily be controlled and configured from one location. Modbus (RS485), one 4-20mA output as well as four digital inputs and four digital outputs (user configurable to dry contact or powered) are standard. Additional 4-20 mA, WIFI module, Modbus TCP, and cell modem optional.

## OPTIONAL UPGRADES

| PRODUCT # | NAME                     | DESCRIPTION   |
|-----------|--------------------------|---|
| S-164110  | WIFI for Real Controller | WIFI module for remote connectivity                           |
| S-178113  | 4-20 mA output (1)       | 4-20 mA output module, one channel                            |
| S-178114  | 4-20 mA output (2)       | 4-20 mA output module, two channel                            |
| S-178115  | 4-20 mA output (4)       | 4-20 mA output module, four channel                           |
| S-164120  | Modbus TCP               | Modbus TCP (ethernet) for Real Controller                     |
| S-214101  | Cell Modem               | Connectivity via cell connection for any Real Tech Controller |

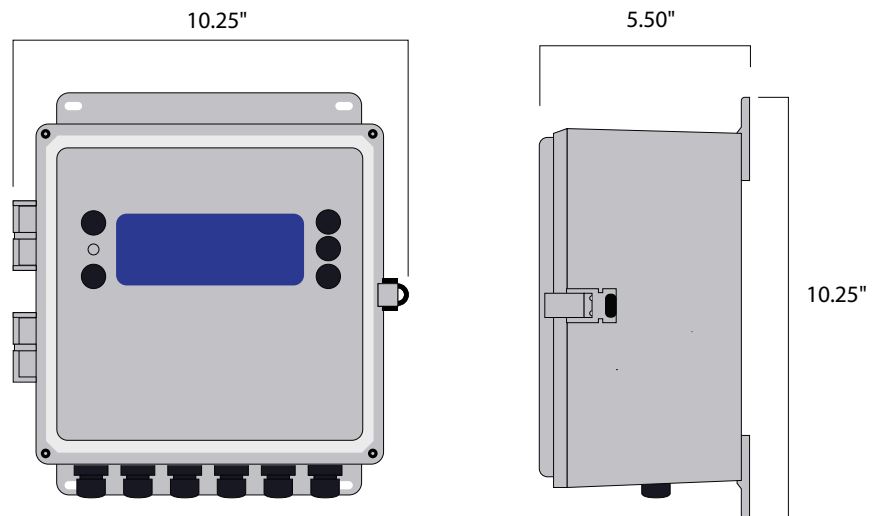
## SPECIFICATIONS

| CHARACTERISTIC     | TECHNICAL DATA  |
|--------------------|---|
| Product #          | S-169000  |
| Compatibility      | All Sensors, except PL, GL and GA series Sensors  |
| Display            | 4 line x 20 character backlit LCD with LED indicator  |
| Operator Interface | Five push buttons to control a comprehensive hierarchical menu system   |
| Alarms             | Display of sensor specific alarms.  |
| Inputs             | Proprietary inputs for Real Tech sensors and accessories, and dry contact inputs standard.  |
| Communication      | Modbus (RS485), one 4-20mA output as well as four digital inputs and four digital outputs (user configurable to dry contact or powered) are standard, digital I/O expansions, Modbus TCP, WIFI and cell modem optional. |
| Data Logging       | Onboard. 6-month nominal (configuration dependent). Optional remote data logging. Export data via USB.  |
| Electrical         | 24VDC power adapter (accepts 90-250VAC 50/60Hz)   |
| Enclosure          | NEMA 4, wall mountable  |
| Dimensions         | 10.25"H x 10.25"W x 5.5"D   |
| Operating Temp     | 0 to 45°C (32 to 113°F)   |
| Storage Temp       | -20 to 60°C (-4 to 140°F)   |
| Weight             | 8 lb  |
| Warranty           | 2-year limited warranty   |

\* Technical Specifications are subject to change without notice.

## DIMENSIONS

The Real Controller is installed directly on a wall, railing or system backboard.



### Real Tech Inc.

1150 Champlain Court,  
Whitby, Ontario L1N 6K9 Canada  
TF: 1.877.779.2888 T: 1.905.665.6888  
info@realtechwater.com

**REALTECH**  
INC.