Aquarius ULTIMA U-Series swimming pool controllers provide ultimate ease and control at your fingertips.

Features:
- 7" touch screen with cutting-edge, elegant display
- User-friendly navigation
- Dynamic & customizable to your application
- Remote monitoring and control capabilities: modem, WiFi, Ethernet
- 6-month data logging & historical trend charts

ULTIMA U-Series swimming pool controllers are specifically designed to disinfect pools and spas leaving your pool healthy and crystal-clear.

Using automated ORP or FAC and dual pH control pumps, our controllers will ensure the water is perfectly maintained in compliance with your local water treatment guidelines. Controllers are designed for use with salt water chlorinators (UPC series) or liquid/granular chlorine (UPL series). CO_2 (carbon dioxide) gas dosing for pH control can also be used on all controllers as an optional extra.
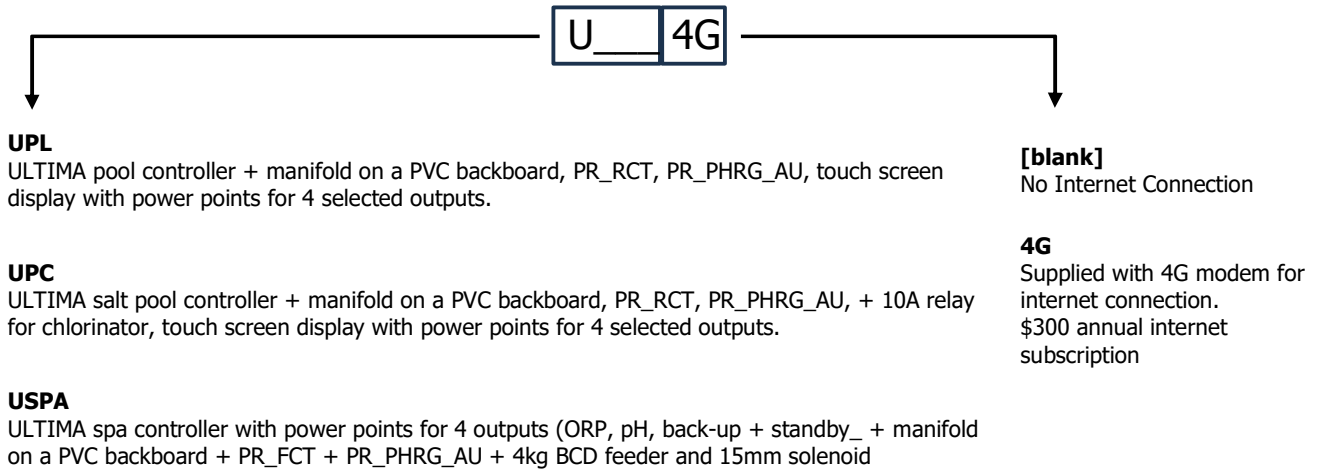
Features	
7-day timers	Outputs may be activated via 7-day timers set on selected days of the week, 4-week cycle.
Accessory Timers	4 x accessory timers link to each 7-day timer using "Before", "With" and "After" function.
Fuzzy Control	Configurable dynamic control for outputs controlling to a process value (sensor) set point. Adjusts control rate as process value approaches setpoint. Minimise overshoot & hysteresis.
LSI	Approximates system water Langelier Saturation Index based on input average calcium hardness.
Alarms: User-Defined	All controller probes and inputs have alarm mode capability. Alarm is triggered when value deviates outside range. Active alarm will be displayed on screen and via common-alarm relay.
Alarms: Common	1 x no-volt common alarm relay incorporated in all controllers for DDC operation. Common alarm to output 14 is standard for all U-series models.
Alarms: No-Flow	No-Flow alarm function standard for all U-series models.
Data Logging	Controller memory can log >6 months of data, exportable to USB memory device as CSV files or viewed on AquaReporter as graphs. Calibration data stored for troubleshooting.
Settings	Settings can be downloaded to USB, cloned to other U-series controllers or stored on a PC.
Password	Three levels of access available using one password: Unlocked, Read Only, & Locked.

Input Sensor Modules	pH	ORP mV	Conductivity µS/cm	Temperature °C	FAC chlorine PPM
Operating Range	4 – 10	0 – 999	0 – 99,999	0 – 100	0 – 10
Resolution	0.01	1	1	0.1	0.01
Alarm Range (plus/minus)	0.3 – 3	25 – 400	200 – 1,000	0.5 – 40	0.5 – 2
Dead Band	N/A	N/A	1.5% of set point	N/A	N/A
Control Type	APL	APL	On/Off	N/A	APL
Control Modes	Disabled, Flow-Dependent or Continuous				
Sensor Press. Rating kPa	280	280	280	280	280
Sensor Temp. Rating °C	45	45	60	60	50

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Specifications	
Electrical Supply	Dual input 240VAC power supply. Requires 230VAC +10%/-6% 10A continuous clean supply.
Touchscreen Display	Resistive 7" touchscreen + heavy duty Autotext XE screen protector resists UV & chemicals.
Programmable Outputs	14 programmable outputs, configurable via input value, timer, accessory, or manual control. 50V/240V outputs available to suit variety of applications.
Input Sensor Modules	Conductivity/TDS, pH/pHB, ORP/ORPB, Temperature and FAC/FACB (Free Available Chlorine).
Communications Port	2 x USB ports for use with WiFi or Ethernet, or for importing/exporting settings/data. Modem connection port for 4G internet connectivity.

Ordering Guide

$$\boxed{U\_\_\_} \boxed{4G}$$

UPL
ULTIMA pool controller + manifold on a PVC backboard, PR_RCT, PR_PHRG_AU, touch screen display with power points for 4 selected outputs.

UPC
ULTIMA salt pool controller + manifold on a PVC backboard, PR_RCT, PR_PHRG_AU, + 10A relay for chlorinator, touch screen display with power points for 4 selected outputs.

USPA
ULTIMA spa controller with power points for 4 outputs (ORP, pH, back-up + standby_ + manifold on a PVC backboard + PR_FCT + PR_PHRG_AU + 4kg BCD feeder and 15mm solenoid

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No Internet Connection

4G
Supplied with 4G modem for internet connection.
$300 annual internet subscription

Standard Shipping Dim. & Weight - Contact Aquarius for pricing & information

Optional Communications Packages	
Communications Bundle	4G modem, WiFi and Ethernet to enable remote access to the controller to see live data, change settings, receive alarms via SMS or e-mail, see and download trend charts.
AquaReporter	AquaReporter website is designed for remote access to the controllers. Settings and Data can be viewed/changed as if you were at the controller.

Optional Accessories	
Dosing Pumps	Peristaltic: Available in 1 & 3 L/hr @ 300kPa. Designed for use with APL control. High Pressure Pulse/Diaphragm: 2, 5, 10 & 20 L/hr with variable control.
CO2 Dosing	CO2 Dosage & gas flow controller
Solenoid Valves	Options of 15mm, 20mm, 25mm, 40mm & 50mm available.
BCD Solenoid Kits	15mm, 20mm or 25mm to suit BCD size, c/w non-return valve.
BCD Feeders	4kg, 12kg, 25kg or 100kg available.
Ext. Solenoid Cable	2.5m, 240VAC extension cable for remote bleed solenoids.
Impulse Water Meter	Provides pulses proportional to flow. Enables dosage proportional to a flow rate.
Tank Level Switch	Provides alarm when chemical tank is near empty. 500mm & 1000mm available.

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