



## The Culligan Commercial Smart Controller



### You Manage Your Business. We'll Manage Your Water.

For businesses using water treatment in their day to day operations, consistency of water quality means avoiding premature equipment failure and maintaining product/service quality. This leads to better consumer experiences and lower cost of operations. Culligan's exclusive advanced electronic capabilities enables businesses to operate at improved efficiency and continuously provide high quality water. With the cost effective smart controller our customers can monitor their water treatment equipment performance and maintenance needs, at a single site or across multiple ones 24 hours a day.

Control your Culligan Matrix Solutions™ equipment with a totally integrated Culligan Smart Controller.



Pre-Treatment  
Solutions



Membrane  
Solutions



Deionization  
Solutions



Storage  
Solutions



Distribution  
Solutions

## Exclusive Culligan Smart Controller Advanced Electronics Include:

- **Historical Operating Data**

Starting at the time of installation, system operating data is stored and can be accessed to monitor trends over time.

- **Alarm Recognitions**

The Culligan Smart Controller allows you to monitor and set lower and upper limits on a number of system parameters. As a result you can respond quickly to system variations and promote consistent water quality.

- **Wireless Remote Monitoring Options**

If the water treatment equipment is in a location that is difficult to access or far from a manager's office, you can use the remote display to monitor the system, up to 200 ft away from the installation.

- **Telemetry Options**

With telemetry options, you can connect your Matrix water treatment system via landline or cellular phone to Culligan. This exclusive feature allows us to monitor your system centrally and service your system locally.

- **US Standard and Metric Readings**

With an easy to program key pad and display, you can program and view your system parameters in either US Standard or Metric units.

## Culligan Smart Controller Supports Culligan Exclusive Features:

- **Aqua-Sensor®**

Culligan's patented digital Aqua-Sensor® for water softeners adjusts to influent water conditions (i.e. water quality, pressure, flow rate etc.) and signals the need for regeneration based on resin bed exhaustion. It also controls the duration of the brine rinse cycle. As a result, you may realize significant salt and water savings which lead to reduced operating costs and accelerated return on investment (ROI).

- **Brine Reclaim**

Culligan's brine reclaim feature for water softeners can help reduce salt consumption up to 25% or more and reduce discharge to drain leading to additional operating efficiencies. This feature allows Culligan to design a solution around your overall water management/wastewater minimization needs and sustainability goals.

- **Progressive Flow**

With Culligan's patented progressive flow feature, you can size softeners and filters based on average water usage, which helps reduce capital costs. The feature is best suited for applications requiring intermittent/periodic high flow rates. The Culligan Smart Controller monitors water demand and brings additional tanks online or offline as the flow demand changes.

## A Customized Communication Level Based on Your Monitoring Needs.

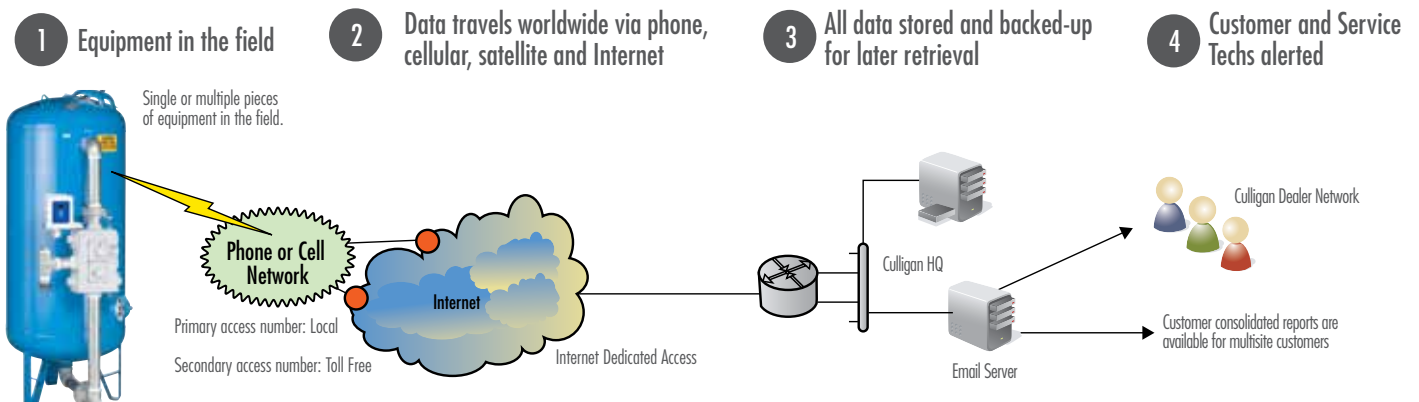
### Service Level 1

- The water treatment system calls the Culligan Server once per day.\*
- If there is an error, a consolidated report is e-mailed to the Culligan dealership the next morning.

### Service Level 2

- The water treatment systems calls the Culligan Server once per day.\*
- If there is an error, a report is e-mailed immediately to the Culligan dealer and customer.
- A monthly report is generated and sent to the dealership and customer.

\* Available only on Reverse Osmosis, Ultra-Filters and Culligan Store Solutions Vending Units.



# Monitoring Options Tailored to Your Culligan Matrix Solutions Equipment.

Pretreatment Solutions	Membrane Solutions	Polishing Solutions	Culligan Store Solutions Vending Units
<b>Filters</b> <ul style="list-style-type: none"> <li>• Regen cycle number</li> <li>• Total gallons since new</li> <li>• Remaining filter life (gallons)</li> <li>• No remote display signal</li> <li>• Motor position not found</li> <li>• Position sensor error</li> <li>• External alarm input</li> <li>• Replace Filter/Media</li> </ul>	<b>Reverse Osmosis Systems</b> <ul style="list-style-type: none"> <li>• Total feed water since new</li> <li>• Total product water since new</li> <li>• Total pump hours</li> <li>• Most recent product TDS</li> <li>• Daily average gallons of product water produced</li> <li>• Feed water temperature</li> <li>• Most recent RO% recovery</li> <li>• Most recent RO% rejection</li> <li>• Most recent pump discharge pressure</li> <li>• Most recent membrane pressure drop</li> <li>• Most recent RO membrane normalization data</li> <li>• Most recent temperature</li> <li>• Any current error flags</li> </ul>	<b>PEDI</b> <ul style="list-style-type: none"> <li>• Current flow rate</li> <li>• Daily usage volume</li> <li>• Average daily usage</li> <li>• Total gallons since new</li> <li>• External filter capacity</li> <li>• Monitor TDS alarm, tank switch over etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Remaining service capacity (gallons)</li> <li>• Daily usage volume (gallons)</li> <li>• Daily peak flow volume (gallons)</li> <li>• Daily peak flow rate (gpm)</li> <li>• Max time interval with no flow (min)</li> <li>• Data of next scheduled service</li> <li>• UV bulb life remaining</li> <li>• High TDS alarm</li> <li>• Tank overflow monitor</li> </ul>
<b>Softeners</b> <ul style="list-style-type: none"> <li>• Regen cycle number</li> <li>• Days since last regeneration</li> <li>• AVG number of days between regenerations</li> <li>• Number of salt days remaining</li> <li>• Salt bridge</li> <li>• Brineline blockage</li> <li>• Brine tank overflow</li> <li>• No remote display signal</li> <li>• External alarm input</li> <li>• Motor position not found</li> <li>• Position sensor error</li> <li>• Low salt</li> </ul>	<p><b>The Culligan Smart Controller can also monitor other equipment, signals and alarms</b></p> <ul style="list-style-type: none"> <li>• Flow rates</li> <li>• Pressure</li> <li>• TDS/water quality</li> <li>• Analog voltage input signals</li> <li>• Dry contact inputs</li> </ul>		

Finally, an end-to-end solution from a single source.



Place your commercial and industrial water treatment needs in the hands of a global leader.

For over 75 years, Culligan has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

[www.culliganmatrixsolutions.com](http://www.culliganmatrixsolutions.com) • 866-787-4293

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