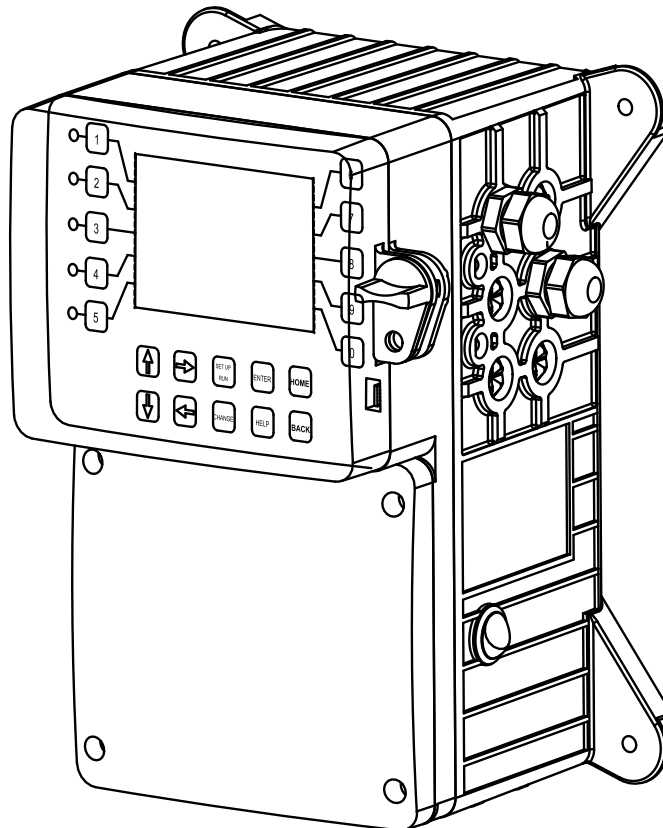# MARLEY®

MarleyGard™ CD WebAdvantage

CONTROLLER INTERNET COMMUNICATIONS

Z1069152   ISSUED 4/2018   READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR SERVICING THIS PRODUCT.

contents

introduction

Overview

WebAdvantage server and website are designed to keep in constant contact with MarleyGard CD controllers connected to the internet. The WebAdvantage server constantly downloads real time data and saves this data, for graphing and logging trends. It can also send alarm notification to multiple individuals via email. In addition, it lets a user log in to check or change settings in the controller.

WebAdvantage is designed to be straightforward and easy to use. Please read your MarleyGard CD controller manual and familiarize yourself with the MarleyGard controller. Setup requires only a few minutes, provided you have the necessary information on hand. Your WebAdvantage enabled MarleyGard controller will need access to the internet via a company provided network connection or MarleyGard cellular router.

Once the controller is in it's permanent position, some settings will need to be changed so that the unit can connect to the internet. You will need the following information/equipment to properly configure the unit:

• A network connection and the appropriate cabling (RJ-45 terminated category 5 cable for H1).

• If connected to a LAN, know whether the unit will be using a static or dynamic IP address. If the unit will use a static IP address, you will need to obtain a usable static IP addresses from your IT staff for the network address, network mask, DNS and network gateway. If the unit will use dynamic addressing, this information is provided automatically.

WebAdvantage Connection - SETUP CHECKLIST

• Do you have a WebAdv3 USER ID and password? _____ **Yes**, *if 'No' proceed to page 24.*

• Has your account admin added the device and linked it to your USER ID? _____ **Yes**, *if 'No' proceed to page 26*.

Congratulations! You are now ready to go online with Web Advantage 3.

setup

Getting Started

Using the inline coupler provided with the unit, connect a live CAT5 cable to the CAT5 cable coming from the MarleyGard controller.

Note

A unit must have a name of at least one character for the WebAdvantage server to recognize it when viewing the status page.

Once you have determined if the controller will be using a dynamic IP address (DHCP) or static IP address you will need to make sure the controller's Network settings are configured appropriately. From the Home menu of the controller go into the Configure menu then the Network sub menu.

```
              >NETWORK<

IP ADDRESS:   0.0.0.0
SUBNET MASK:  0.0.0.0
GATEWAY       0.0.0.0
ACI SERVER:   connect.webadvantage.online:80
LOCAL MODE:   ON
REMOTE MODE:  ON                          DHCP
SETTINGS                                  RESET
```

```
          >CONFIGURE NETWORK<

IP ADDRESS              HTTP LOCAL
IP MASK                 HTTP REMOTE
GATEWAY                    SEC DNS
PRI. DNS                      HOST
SERVER                      DOMAIN
```

If connecting to the network using a static IP address, the DHCP will need to be off and the static information IP, Mask, Gateway and DNS entered into the controller. If you are connecting to the network using a dynamic IP address, the settings will be applied automatically.

When making changes use the keypad to enter numbers, the up / down arrows to scroll through the alphabet. Press the right arrow after each desired character is entered to set the next character.

TIP: If you press the HELP button after arrowing over to the next position the last letter or number you selected will be displayed, this is especially handy if you are using lower case letters.

Note

Always press the RESET button when any changes have been made to the network settings.

setup

Web Advantage website url:

## https://webadvantage.online

Log in Screen

To login you must have the USERID and password that was created on page 24. If this has not been filled in and submitted, contact our WebAdvantage department at 918 686 6211.

You can then use any desktop or mobile web browser that allows cookies, and has java scripting enabled to connect to the remote communications server.

• USERID = Email Address

• Password

• "Not a Robot" Captcha Verification

Note: On success reveals sign in button

If you have misplaced your USERID / password or need to create a new account, links are provided near the bottom of the login form.
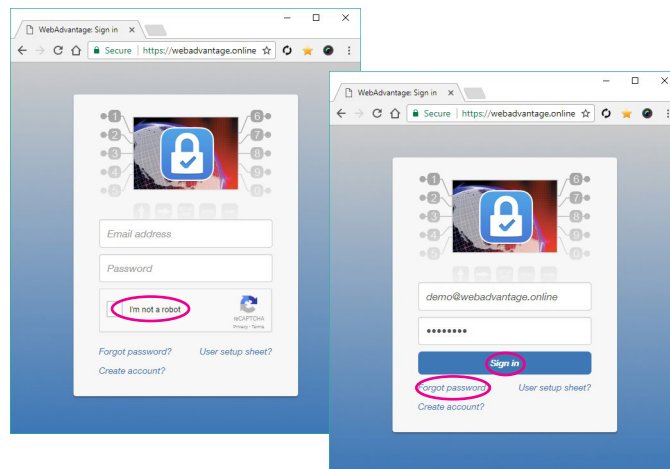
setup

Device List (Home)

A constant flow rate at a minimum of 1.6 gallons per minute (6.1 liters per minute) must exist within the corrosion monitoring loop. Seasonal variations can alter corrosion rates. Comparison testing is recommended to calculate the percentage of error due to weather changes in regards to corrosion rates.

Optimized for use with mobile and desktop browsers. Mobile menu accessed with the icon at the top right. You start at the Device List screen when you first log in.
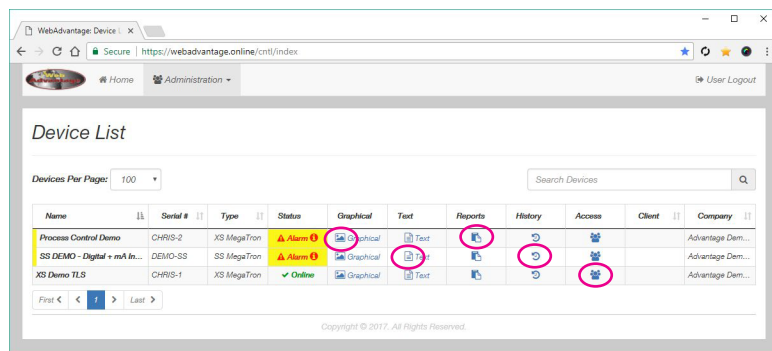
Desktop Version
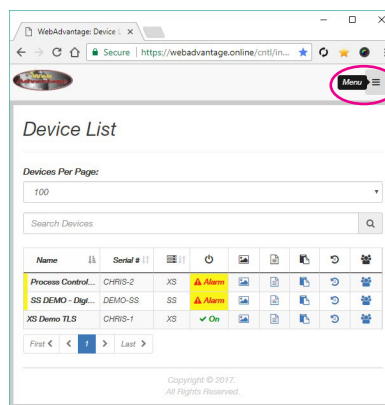
Mobile Version

This screen lists all the devices you have connected to the system.

From here you have access to a sortable/searchable list of devices by Name, Serial, Type, Status, Graphical View, Text View, Reports, History, Access, and more...

operation

Select the controller you wish to work with by clicking on "Graphical View", "Text View", "Reports" or "History". You can view the controller settings by clicking on either "Graphical" or "Text View". The "History" link will allow you to view your history in a log table or graph mode. "Reports" will allow you to use the device data to generate a report. To return to this screen, click "Home" link on the bar at the top of the page at anytime.
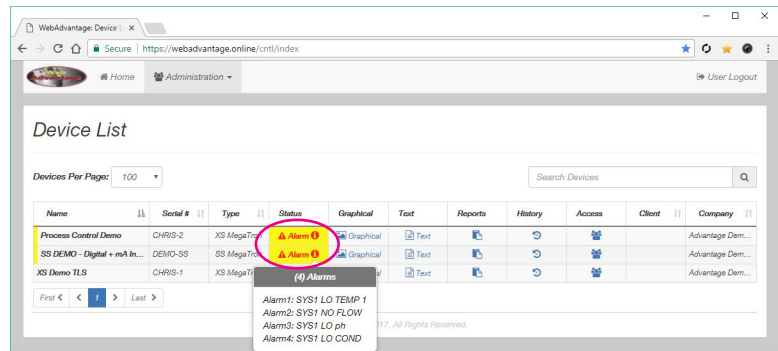
⚠ **Alarm Quick Summary** shown when clicking on a particular alert.

Conditions:

• On-Line – Green

• Off-Line – Red

• Alarm Condition – Yellow
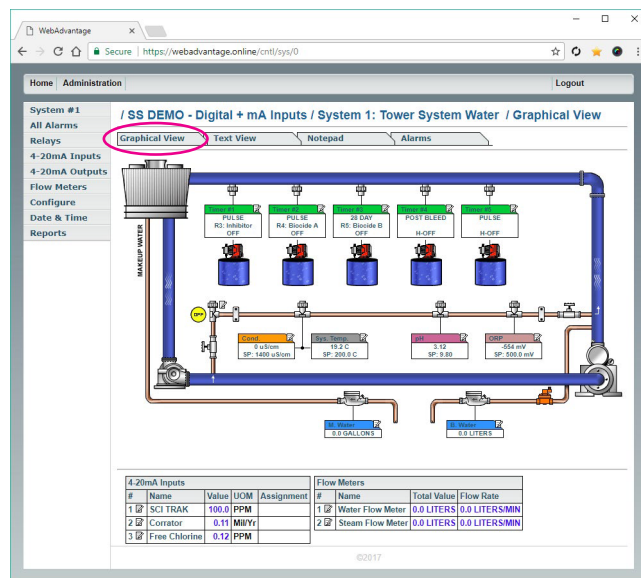
Graphically View – Visual representation of system

operation
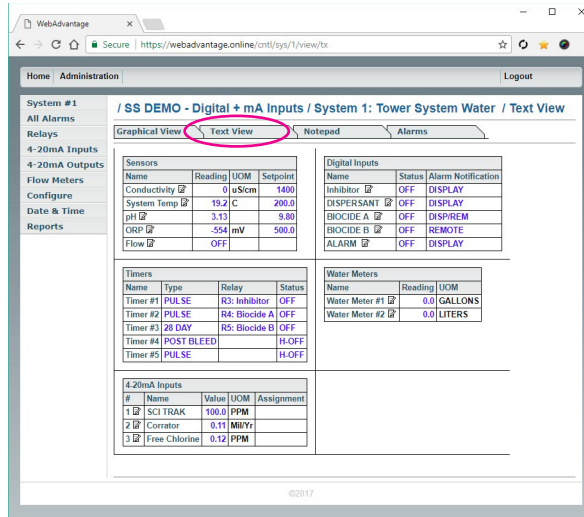
Text View – Text only version of system setting and readings

You can alternate between the different views at any time from the home screen (device view) or from the tabs at the top of each view.

Reports

Here you can create as many custom reports that are desired for a given MarleyGard controller. These reports can have any of the system parameters plotted onto a graph (probe readings, relays, alarms, Notepad entries) in various colors. It is recommended that reports / graphs use readings of the same units of measure to keep a graph understandable.
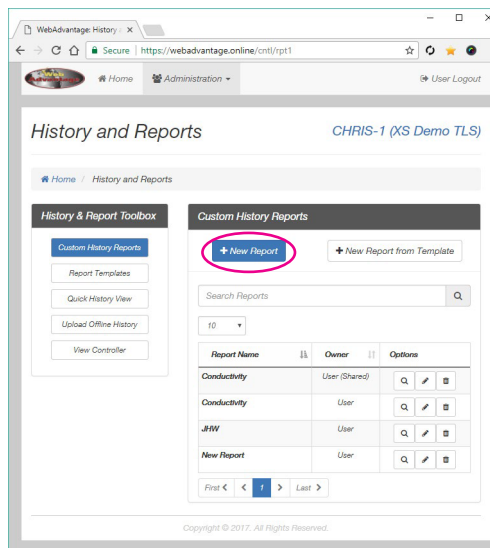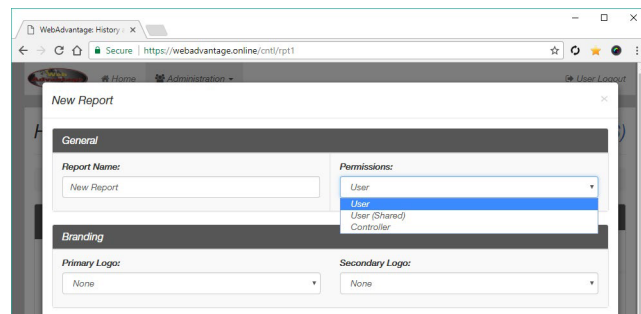
operation

Reports can then be set to have the server automatically email them at a desired interval to various email accounts.

• Listing of saved reports

• View, edit, delete options

• Create a new report

• Create a new report from template. See page 20.

General

• Report Name

• Permissions

• User, User (Shared) or Controller

User: Only the report creator can see report on WebAdv

User (Shared): Creator can edit report. Others can only view report
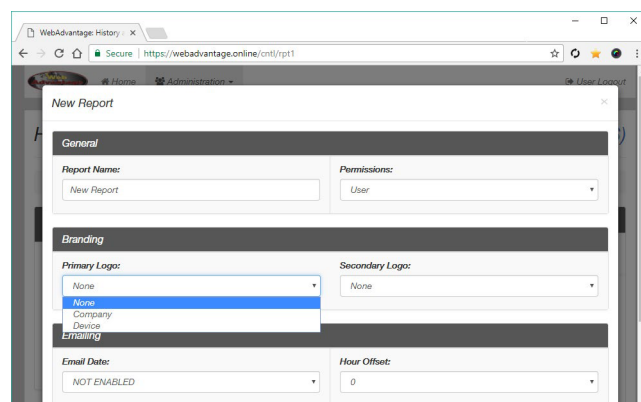
Controller: Anyone with controller access can edit or view report.

You can email reports to others not on WebAdv if needed. See "Emailing" section.

Branding

operation

• Report Name

(Location choice)

>• Primary logo

>• Secondary logo

(Image choices)

>• None

>• Company

>• Device
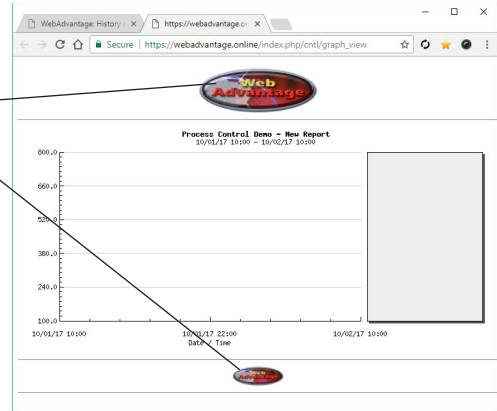
sample report

Emailing

Email date = Future email will be sent on this date

Note

If you plan to disconnect your controller for an extended period of time, change the "Email Date" to match the future re-connection. This will avoid a backlog of unnecessary emails waiting to be sent after reconnect. It is also a good time to verify that the assigned email has not changed.

operation

Hour offset = Adjustable in relation to central time zone

Logs

Graph only, Graph and logs only, Logs only,

Webadvantage export = Text file based on report channels

Email addresses = Multiple email addresses can be listed in this field with a comma "," between each address.

Tip: If you need the alarm sent via text, most USA based phone carriers have an email address assigned to the phone's text messaging function. Adding this particular email address to the user's profile alarms, WebAdvantage will send an email to the phone that shows up as a text message. That email address is typically the phone's 10 digit number @ a particular carrier base address.
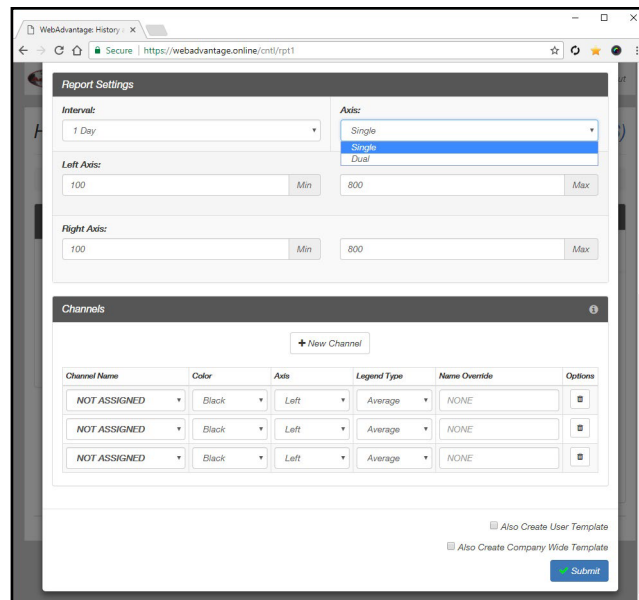
operation

Report Settings
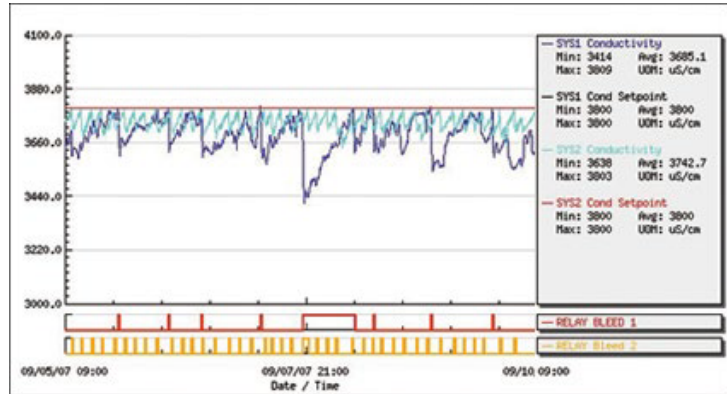
Interval = How often report will be sent
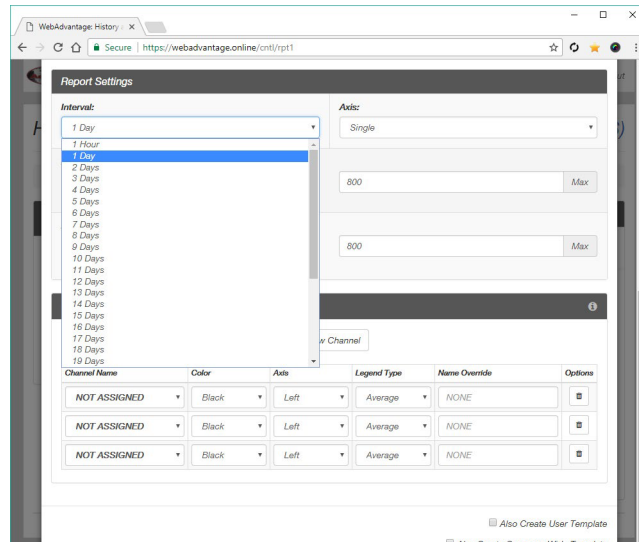
Axis

   • Single

   • Dual = Example: Dual axis allows you to view conductivity and pH
     on the same graph.

• Left Axis (Min)   • Left Axis (Max)

• Right Axis (Min)   • Right Axis (Max)

operation

sample graph

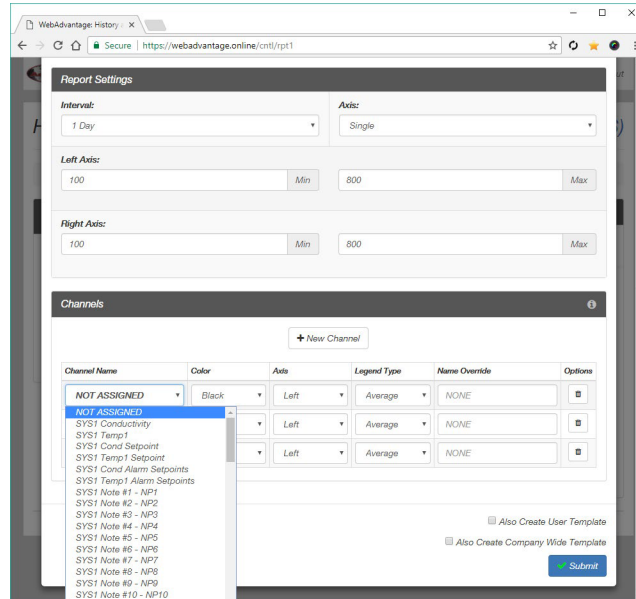**Channels**

Any sensor or measure going through controller.

• New channel

• View, modify, delete

• Channel Name, Color, Axis, Legend Type, Name Override

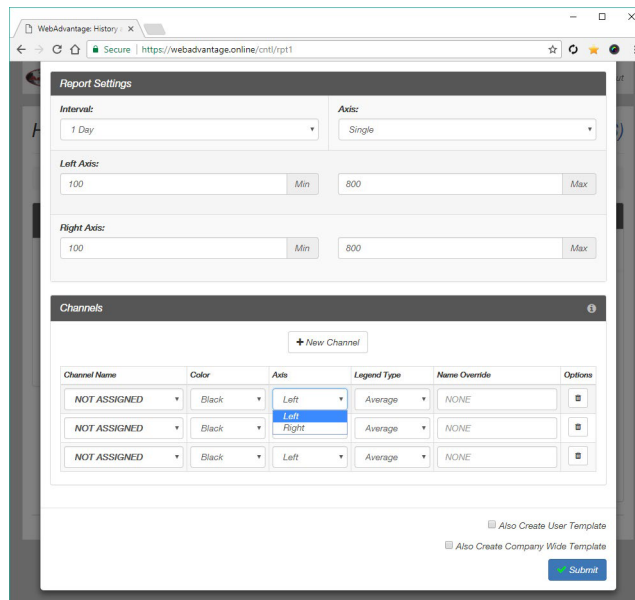• Channel Name = Listing comes from the controller

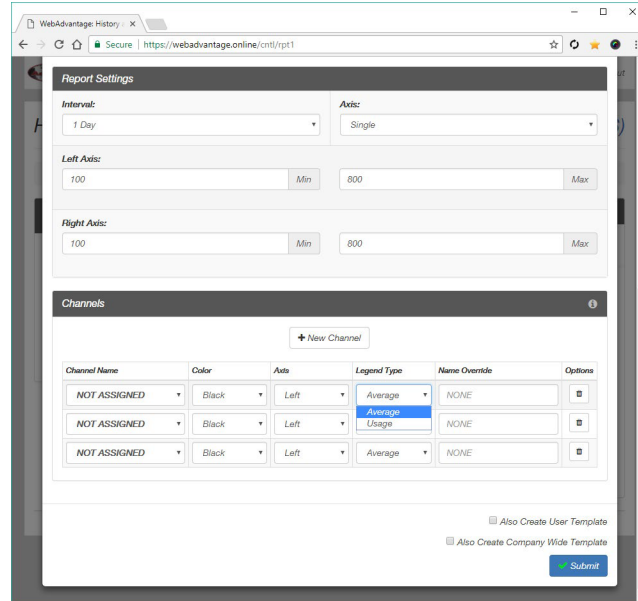# operation

• Channel Color = Line color on graph
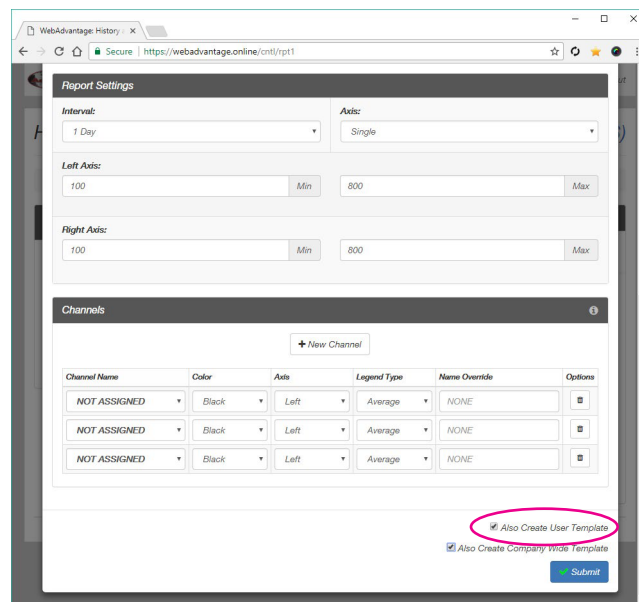

• Axis
• Left or Right-hand side

• Legend Type
• Average or Usage

Average: Displays min/max values on graph

Usage: Displays projected usage based on previous data

operation

- Name Override = Example: Shorten the System 1 pH title to just pH in the graph's legend.
- Also create user template = When checked only the creator can see this template

operation

Viewing / Generating Reports

- Graph
- Start Date / Time
- End Date / Time
- Left Axis (Min)
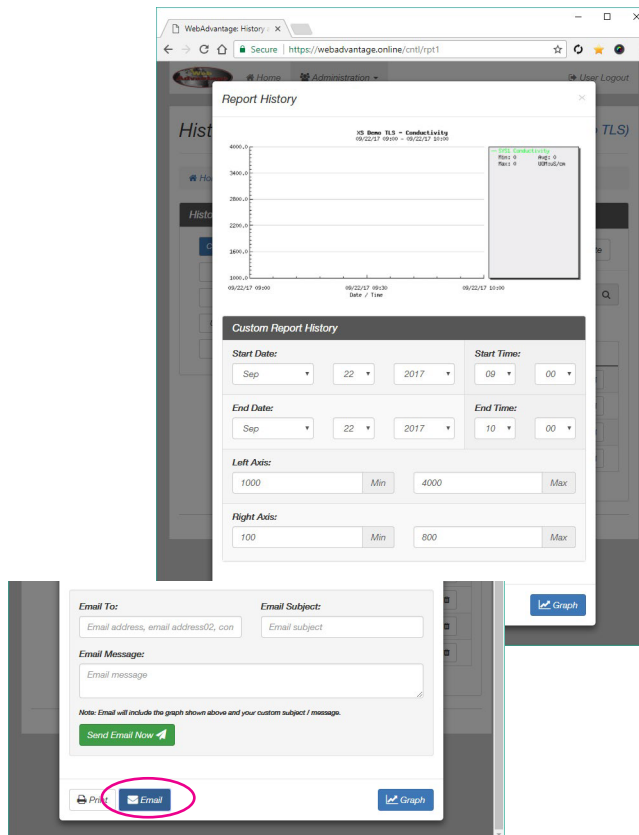- Left Axis (Max)
- Right Axis (Min)
- Right Axis (Max)

Select values then click the graph button to update.

- Email Button = Expands to show email options
- Email To
- Email Subject
- Email Message

Note

Email will include the graph shown above along with your custom subject / message.

operation

History (Quick View)

General

• History of: Sensor, Notepad, Water Meter, Relay, Alarm, Special Events, mA Inputs

Shortcut from device list

• System = Controller assigned values
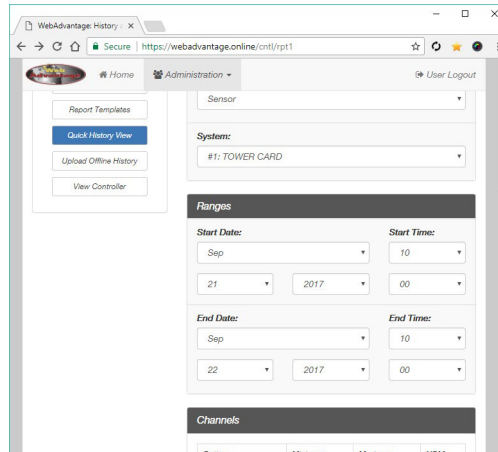
operation

Ranges

• Start date / time   • End date / time

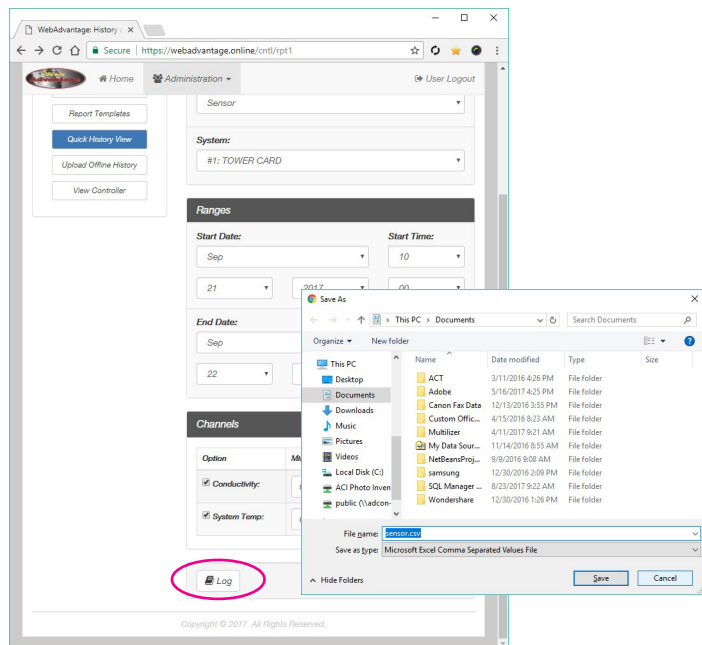**Note**

Based on central time zone. Rendering times may vary.

Channels

• Channel option = Pulled from controller

• Min   • Max

• UOM (Unit of measure)

Log Button = Create a .csv file of history data

operation

Graph Button = Displays graph in popup
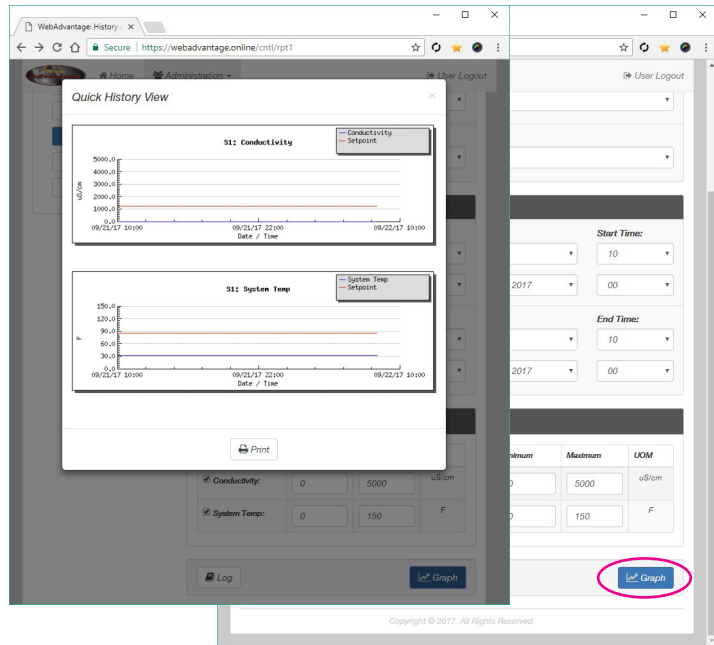
Viewing a Custom History Report

• Custom History Report

• **Magnifying glass icon** to view report. Here you can *temporarily change* values to update the graph. This will not affect future reports.

• **Pencil icon** to edit report. This *will change* future reports.

• **Trash can icon** to *permanently remove* report

operation
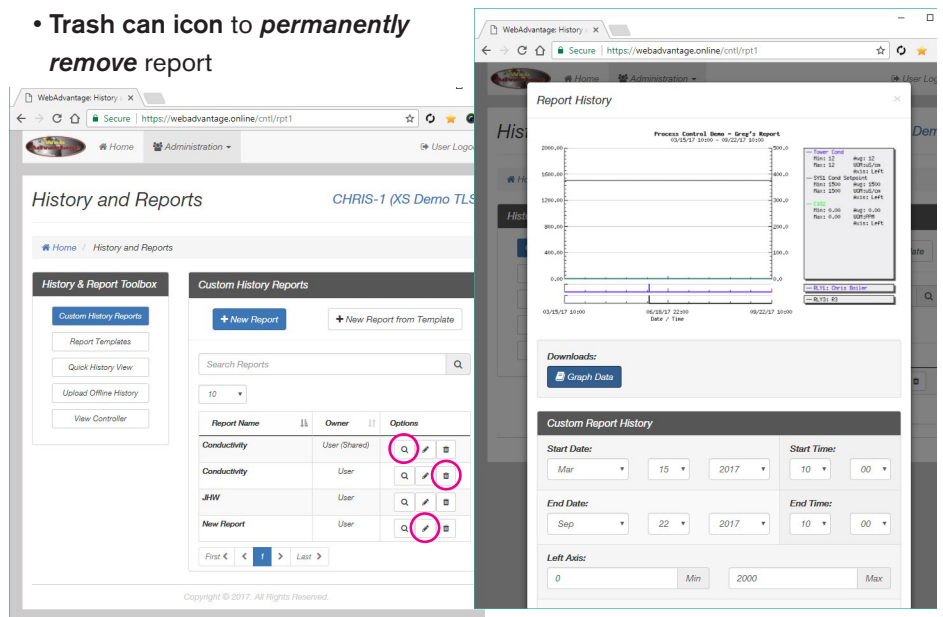
Downloads

• Graph data button = Only available when report is set to Graph and Log.
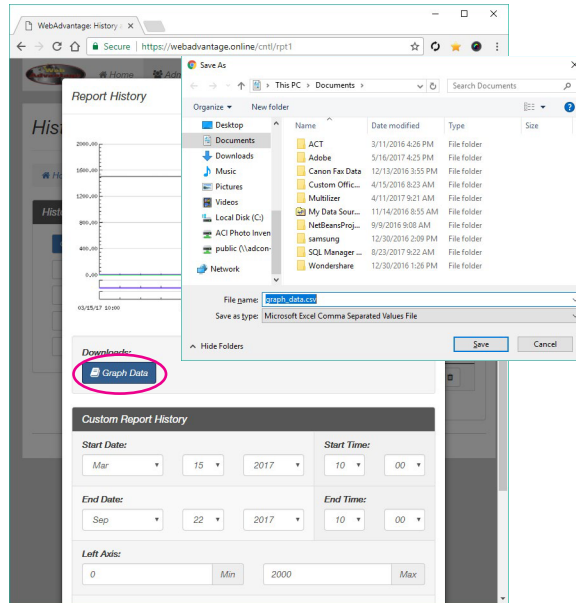
New Report Template

• Report Templates   • New Template

To learn more about each of these settings, refer back to page .
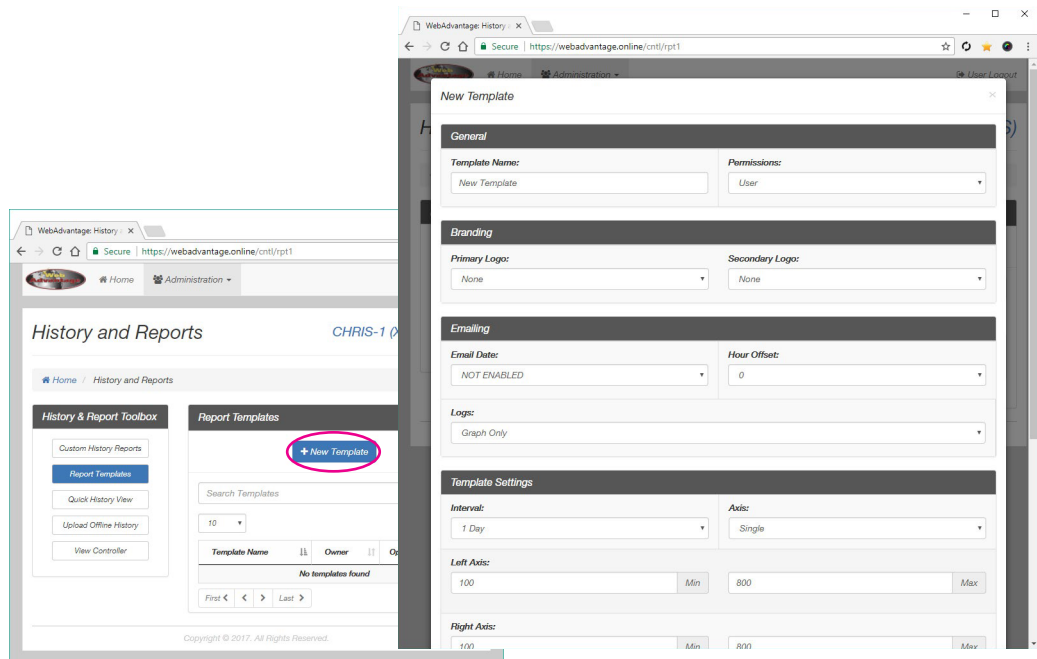
operation

Access

Only available with device manager privileges.

• Click the People icon to see who has access to the device
• Change permissions if allowed

Extensive administration function tutorials can be found on Youtube page.

youtube.com/watch?v=YH33KFA6Hng

21

frequenly asked questions

Here are some FAQs your IT department may want to know before giving the unit access to the Internet.

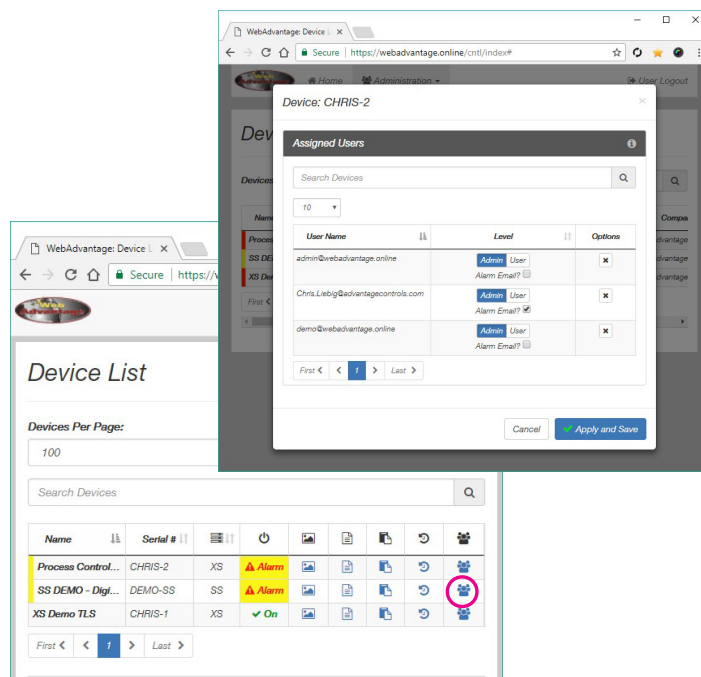Q What TCP ports does the controller use?

A Port 80 is the port to be used for Internet-bound traffic. The controller can also be configured to use port 9090. Controllers with communication card "option H" use port 443.

Q How much network bandwidth does the controller require?

A During normal operations about 32 bytes are sent every 10 seconds. When downloads or changes are made this amount can go up to 150 - 175 bytes, but these events are short in duration and infrequent.

Q If the network is unavailable to the controller; does data queue so when the network is available again it is bombarded with this data?

A No. The controller will start replacing missing data slowly, once the connection is reestablished.

Q Can the unit be used to contact any other web locations?

A No, The controller can only contact the WebAdvantage server. The controller has no browser, or messaging capabilities aside from alarm notifications that are sent through the WebAdvantage server.

Q Is our information secure?

A Communication between WebAdvantage users is encrypted and the server is hardened to keep your data secure.

checking communication/status codes

Once the appropriate network settings have been entered into the unit, the MarleyGard CD controller will begin to contact the Web Advantage server automatically. The connection status of the controller can be determined by viewing the Run screen. A two letter code will be in the lower middle section of the RUN screens indicating connection status. Note: A bar underneath these letters indicates a solid connection.

Status codes for controllers with Option H1, H11, H21, H22 or H31:

NC = Talking to ICM but not yet connected

DR = DHCP Remote Connection (Communicating with WebAdvantage Server)

SR = Static Remote Connection (Communicating with WebAdvantage Server)

DL = DHCP Local Connection (Communicating Locally)

SL = Static Local Connection (Communicating Locally)

FL = DHCP Failed Local Connection (Communications Failure)

Status codes for controllers with Option H:

NC = No Ethernet/Wifi Connection

SL = Static Addressing, No access to web

SR = Static Addressing with Web Access

DL = DHCP Addressing, No access to web

DR = DHCP Addressing with Web Access

SC = Static Addressing with Web Access, Connection to WebAdvantage

DC = DHCP Addressing with Web Access, Connection to WebAdvantage

SA = Static Addressing with Web Access, Connection to WebAdvantage is authenticated & completed

DA = DHCP Addressing with Web Access, Connection to WebAdvantage is authenticated & completed

user ID setup

Setting Up a USER ID

Before you can view a device, a USER ID must be setup.

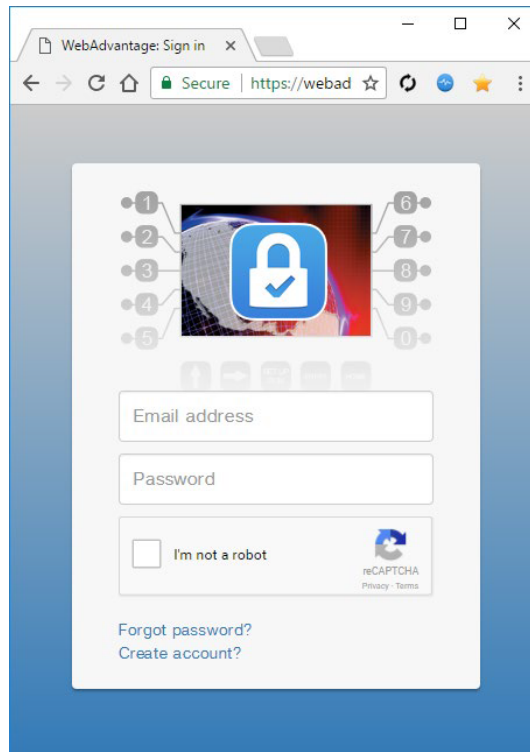*If you already have a USER ID and are just adding a new device, skip to step 4.*

Step 1: Visit **webadvantage.online**

Step 2: Choose **Create Account?** at the bottom of the login screen.

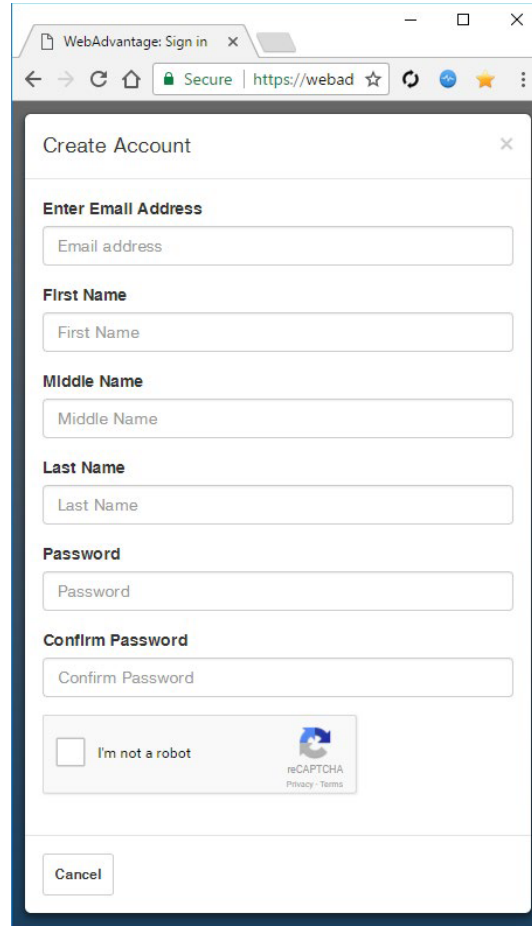**Step 3:** After completing form click **SAVE** to create ID.

Note

The email address you add will be your USER ID.

user ID setup

Step 4: Important! Contact our WebAdv3 dept withy our USER ID (email), the device's serial number and your phone number.

USER ID (email)	
Device Serial #	
Phone:	

Fax: 918-686-6212
Phone: 918-686-6211
Email: support@advantagecontrols.com

Note

Please allow 24 hours for processing.

admins only – add device and assign user ID

Setting Up / Accessing a Device

Company Access Permissions: If you are not a part of a company already registered with WebAdvantage, please contact your company's WebAdv account manager for device access.

Step 1: Access the WebAdvantage page at **webadvantage.online**.

Note

Only company administrators can add, edit, remove or modify devices, user accounts, history reports. User account permissions only allow for viewing of devices.

Step 2: Choose Administration at top of page.

Step 3: Then choose Manage Devices.

Step 4: Enter the device's Name and Serial Number. The remaining fields are optional. Click **SAVE** to submit.

admins only – add device and assign user ID

Please allow up to 24 hrs for processing before controller shows in device list.

WebAdvantage support can be reached at

918 686 6211 or via email at **support@advantagecontrols.com.**

Manage Devices

🏠 Home / Manage Devices

Add or Edit Device

No Logo

Choose Logo

Company:	Advantage Controls
Name:	Enter name
Serial Number:	Enter serial number
Model Number:	Enter model number
Client Name:	Enter client name
Physical Location:	Enter physical location
Cell Router ID#:	Enter cell router id#
ℹ️ **Escalation Alarm Notify:**	Enter email01, email02, etc
ℹ️ **Time after initial alarm:**	24 hrs
ℹ️ **Send Connection Alarms:**	Disabled
3rd Party Reports:	Disabled
Notes:	Enter notes

✔ Save

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