



# THE TACO CONTROL APP FOR SWITCHING RELAYS AND ZONE VALVE CONTROLLERS

Instruction  
Sheet

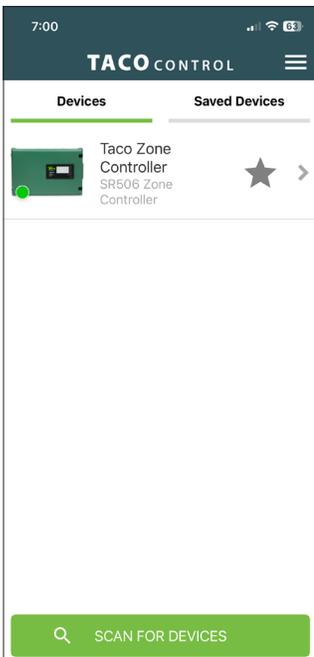
The Taco Control App is not required for standard installations. Taco recommends using the app to check for control updates even without using advanced functions.

**Advanced Control & Monitoring Options:** The Taco Control App is only required to operate advanced control functions and parameters. Go to the App Store or Google Play and search Taco

Control to download the app for iOS or Android devices. Below are some commonly used screens for reference.

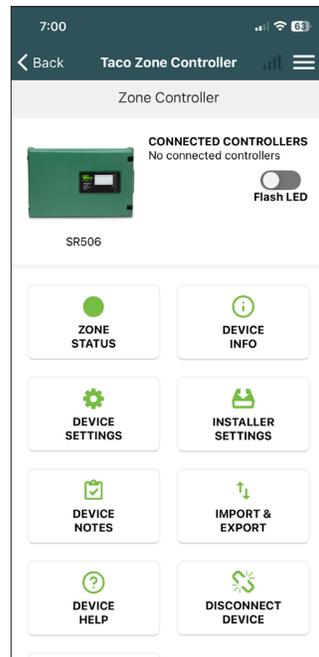
Now an installer can use their smartphone or tablet to view settings and make adjustments, ensuring the zone controls are optimally configured to best suit the heating and/or cooling application.

## AVAILABLE DEVICES AND CONTROLLER HOME:

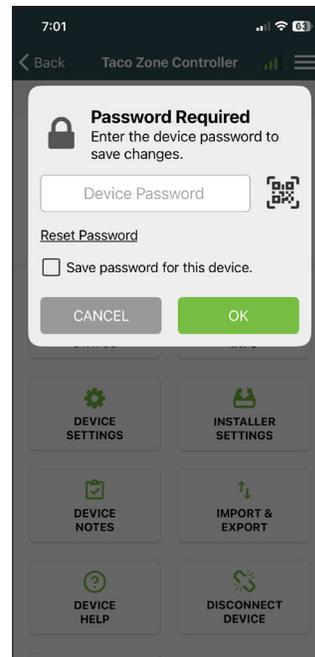


**App Home Page:** List of zone controls available to view or configure.

NOTE: Controls that are connected through the expansion terminal will not be displayed here.



**Device Home Page:** Selected zone control main information screen. Connected control(s) can also be accessed from this page by pressing the name listed. The power LED can be flashed to identify unit.

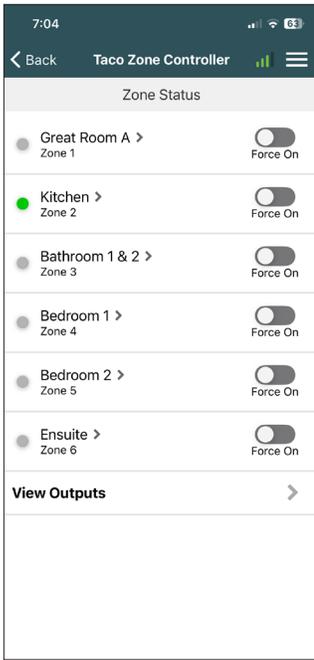


**Password:** A password is required to make any changes to the controls. The password can be entered manually or by scanning the QR code with camera on the label attached to the circuit board.



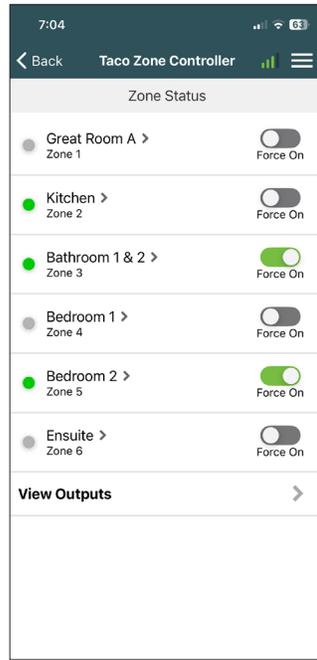
**How To Find password:** Where to find the password and the QR code.

## ZONE STATUS:

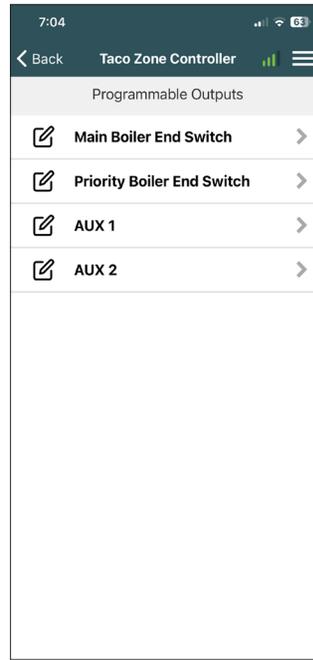


**Zone Status:** View, select, configure what zones are currently active-ON and inactive-OFF.

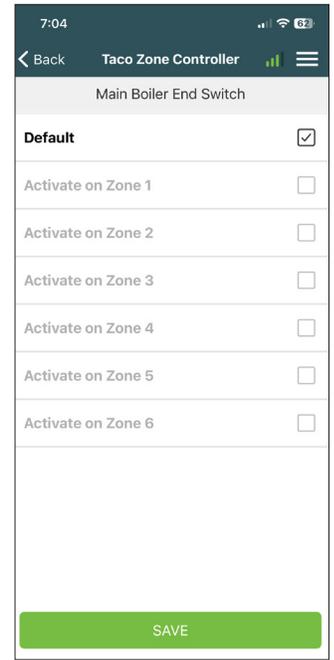
The dot beside each room tells you if that zone is currently ON or OFF.



**Zone Status:** Tap the slider to run the circulator for 5 minutes. This also turns on the boiler end switch.



**Programmable Outputs:** Customization of signal to turn on or off the boiler, priority boiler, and auxiliary circulators.



**Main Boiler End Switch:** The default settings can change to customize the outputs to the installation. Be sure to select “Save” when done.

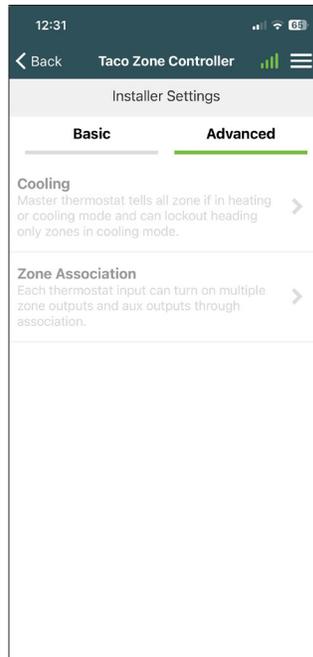
## INSTALLER SETTINGS:



**Installer Settings:** Outputs (as seen above), Operating Mode (boiler and mixing control with the PC800-5), DIP switch setting and SmartPlus.

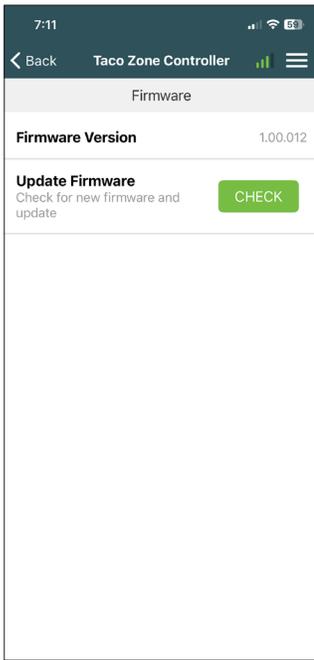


**Installer Settings—Basic:** Matches the previous screen. When specific DIP switches are turned on, extra options become available. See the Installer Settings section to learn more.



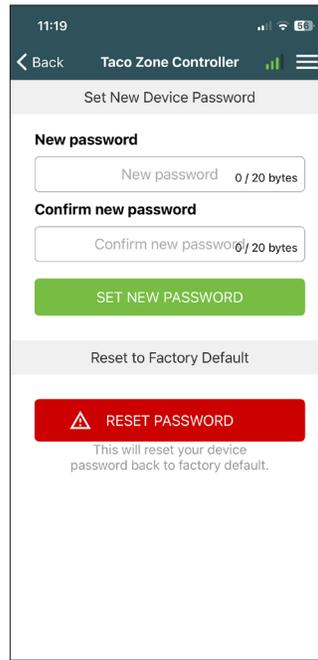
**Installer Settings—Advanced:** This section of the Taco Control app is for future use with cooling functions. See Wiring Guide for further information.

## INSTALLER SETTINGS:



**Firmware:** Use this option to update your controller to the latest firmware.

An internet connection is required, and your device must stay awake until the update is complete.

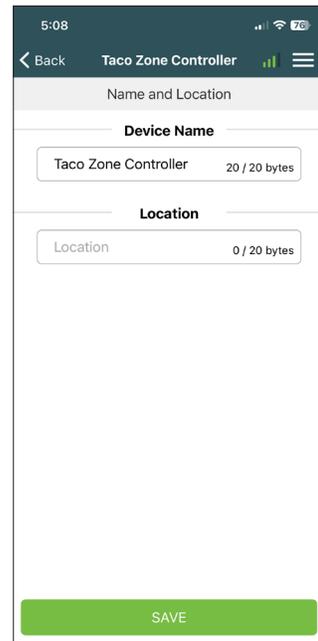


**Set New Device Password:** Change the password to the controller. When the current password is lost or unknown, use the Reset Password to the factory default.

## DEVICE INFO AND DEVICE SETTINGS:



**Device Info:** Shows the model number, revision number, and current firmware version of the connected zone control.

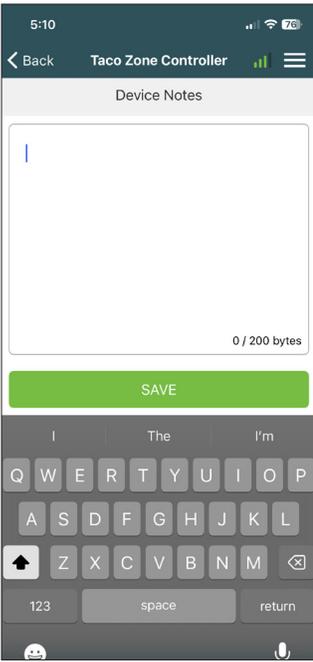


**Name and Location:** Create a name for a connected zone, as well as its location for reference.

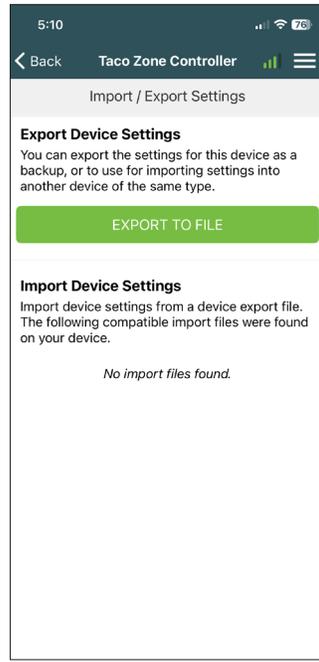


**Zone Names:** Create names for individual zones. This is especially helpful when troubleshooting.

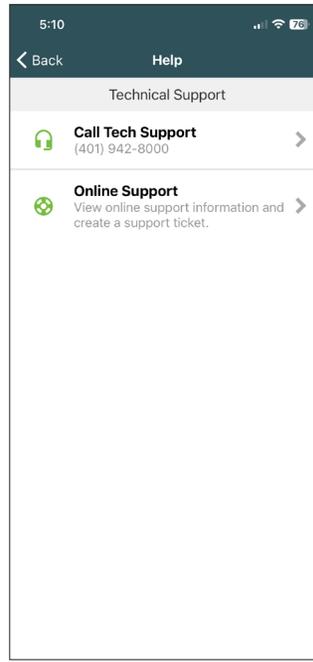
## DEVICE HOME:



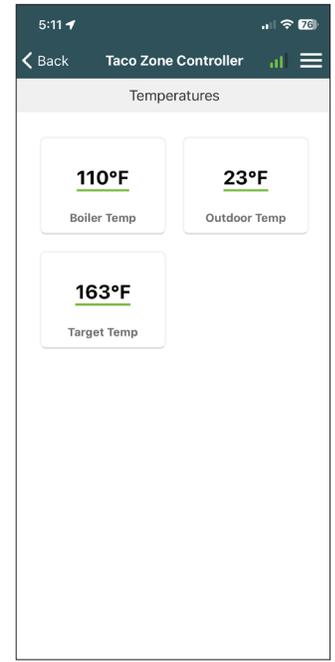
**Device Notes:** Leave messages on the device for future reference.



**Import/Export Settings:** Export all the settings for future reference or to configure another zone control. The user can also import existing settings to apply to this zone control.

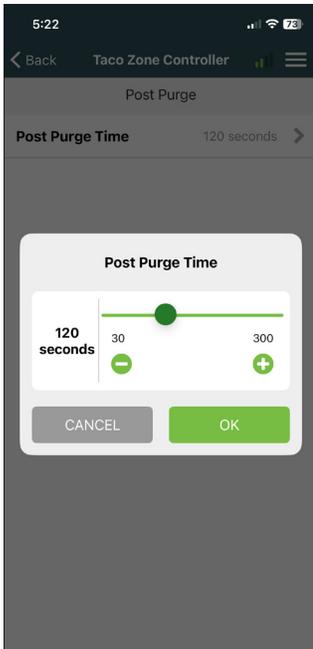


**Technical Support:** Contact Taco Tech Support directly or view Online Support material and "How To" videos.



**Temperatures:** View the Boiler and Outdoor temperature if sensors are connected to the PC800-5. The Target Temperature is the setpoint the control works to achieve when there is a call for heat.

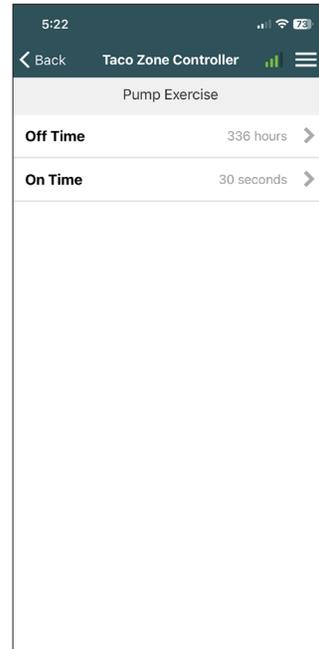
## INSTALLER SETTINGS:



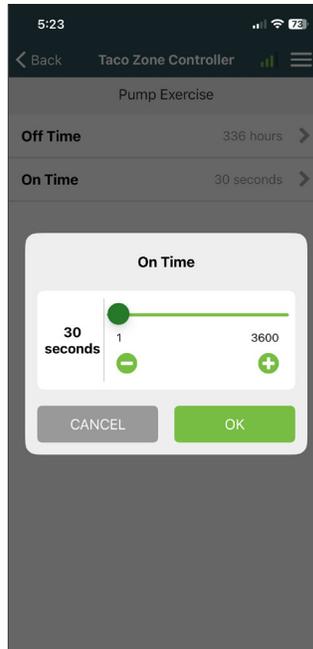
**Post Purge Time:** Adjust using the slider or +/- buttons.

Post Purge and Pump Exercise appear only when enabled.

Default is 2 minutes; max is 5.

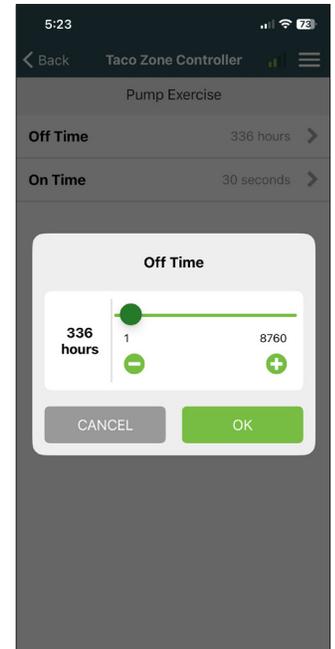


**Pump Exercise:** User can set timing the independent time ranges for On and Off Time periods.



**Pump Exercise:** Use to set timing range for On Time period.

On time default is 30 seconds to 3600 seconds (60 minutes).



**Pump Exercise:** Use to set timing range for Off Time period.

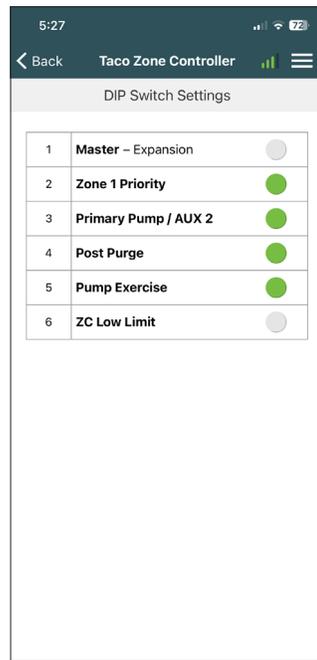
Default setting is off for 2 weeks (336 hours) to a maximum of 56 weeks (8760 hours).

## INSTALLER SETTINGS (CONTINUED):

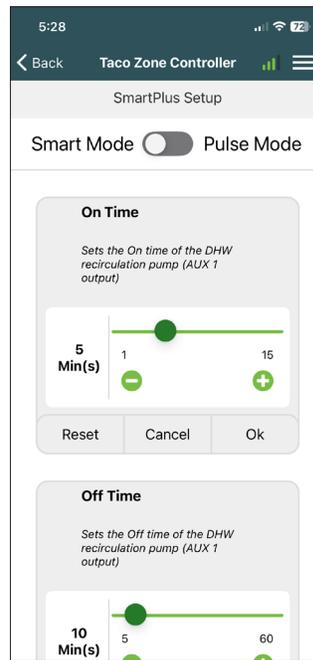


**Operating Mode:** Choose Standard (no reset), Indoor Reset, or Outdoor Reset.

Indoor/Outdoor Reset requires a PC-800-5 with sensors installed.

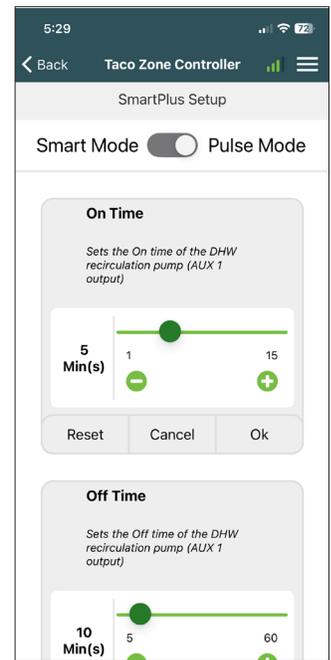


**DIP Switch Settings:** Show the current configuration of the physical DIP Switches on connected zone control.



**Default Settings:** On defaults to 5 minutes and Off to 10 minutes. On is adjustable up to 15 minutes; Off up to 60 minutes.

When Pulse Mode is selected, the On Time and Off Time can be adjusted to optimize DHW recirculation.

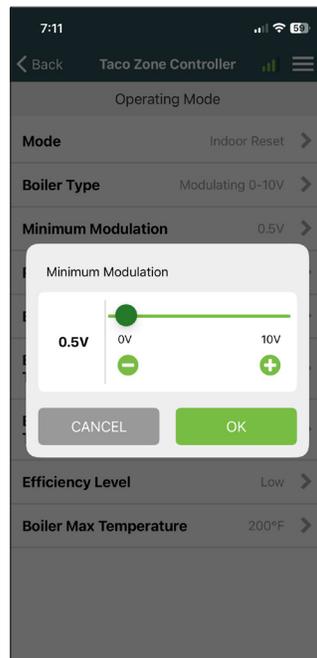


**SmartPlus Setup:** Choose Smart Mode (default) or Pulse Mode for DHW recirculation.

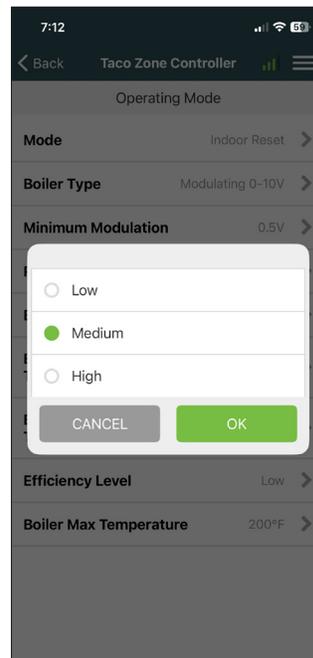
## INDOOR RESET SETTINGS WHEN PC800-5 INSTALLED:



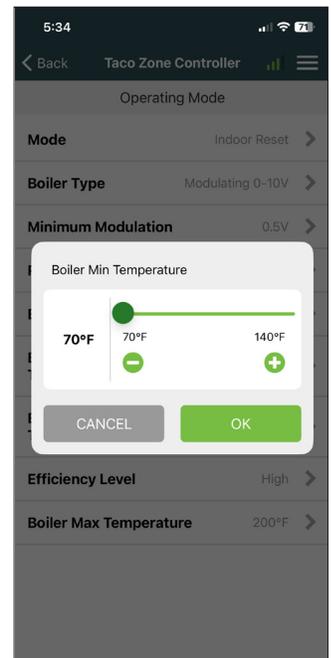
**Operating Mode—Indoor Reset:** Indoor Reset provides all the adjustments needed to customize the system and maximize energy savings with a typical On/Off boiler.



**Minimum Modulation:** The lowest modulation based upon the equipment installed either in 0-10 V or 4-20 mA. Check manufacturer's documentation.

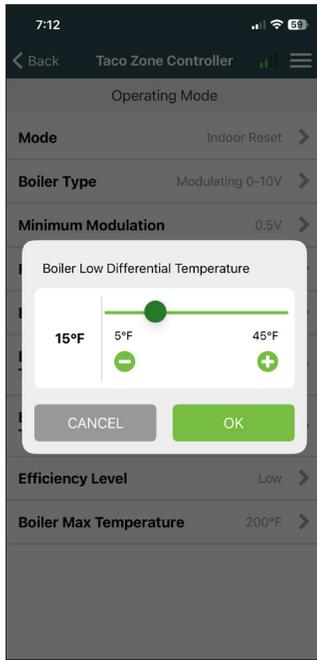


**Response Time:** Can be adjusted to match the equipment connected. High-mass systems usually have slower response times than low-mass.

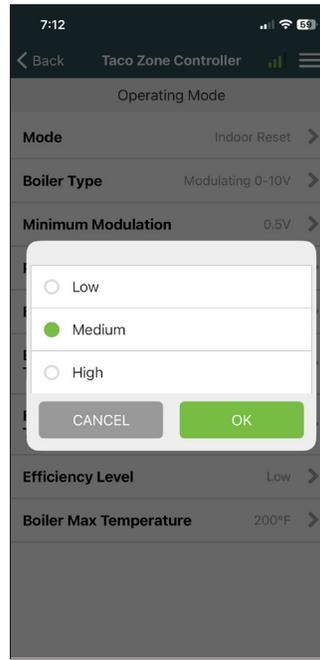


**Boiler Min. Temperature:** The lowest desired temperature based upon the equipment installed.

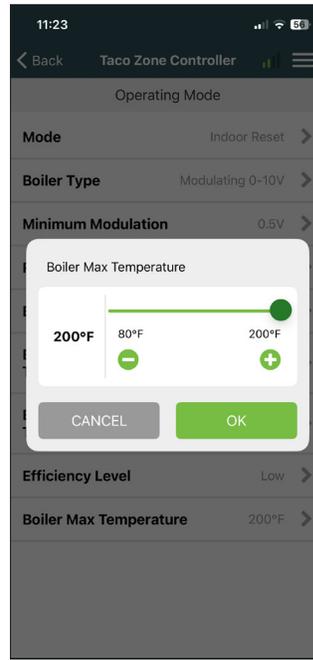
## INDOOR RESET SETTINGS WHEN PC800-5 INSTALLED (CONTINUED):



**Boiler Low Differential Temperature:** Can be adjusted the same or differently at both low temperature and high temperature depending on the type of equipment.



**Energy Efficiency Level:** Can be adjusted to achieve a balance between energy savings and indoor space heating comfort level.

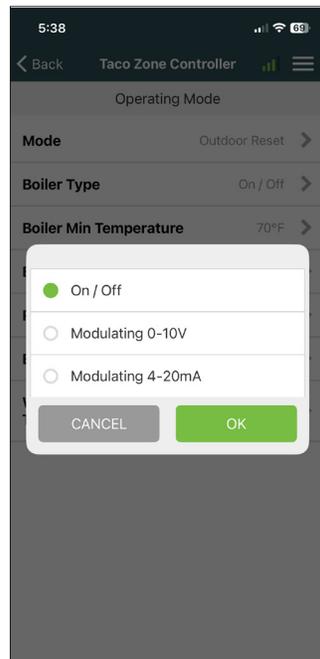


**Boiler Max Temperature:** Maximum temperature the system will operate. This is used in the target water temperature calculations.

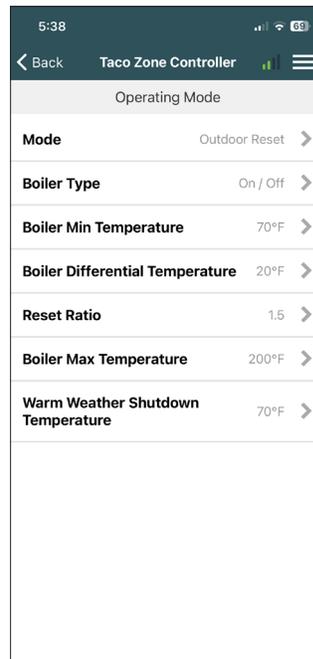
## OUTDOOR RESET SETTINGS WHEN PC800-5 INSTALLED:



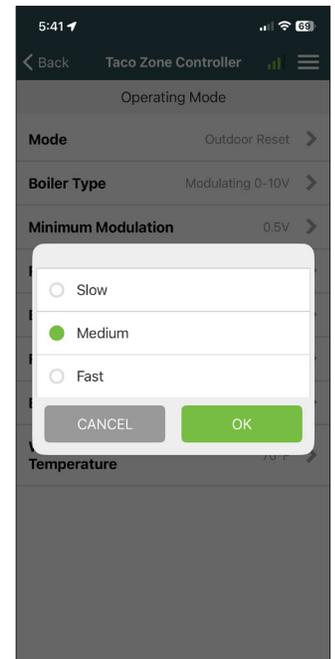
**Operating Mode—Outdoor Reset:** Provides all the adjustments needed to customize the system and maximize energy savings.



**Boiler Type:** The boiler can be configured for On/Off or modulating type. If modulating, then control can supply a 0-10 V or 4-20 mA output.

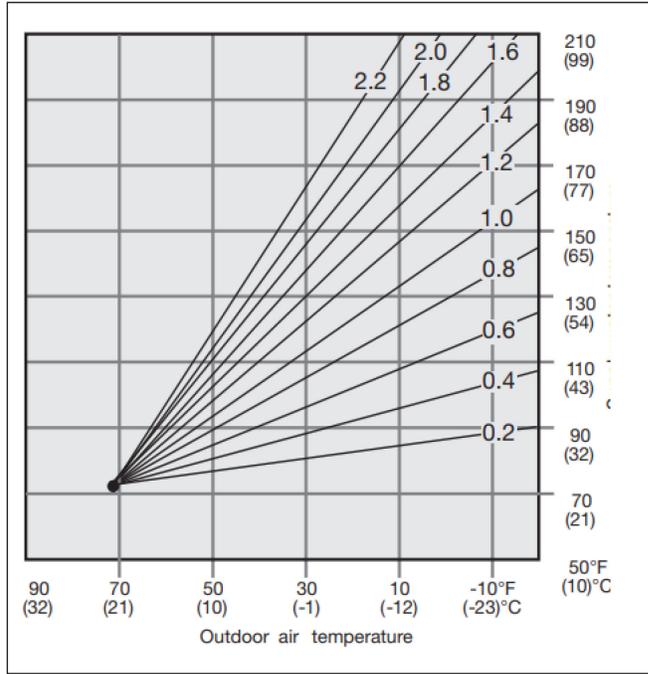
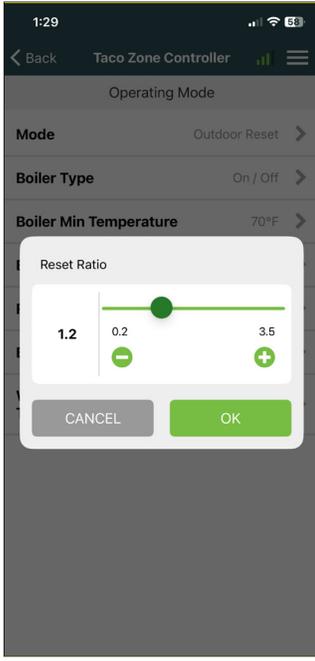


**Operating Mode – Parameter Adjustments:** Different adjustment options are available for On/Off and Modulating equipment.

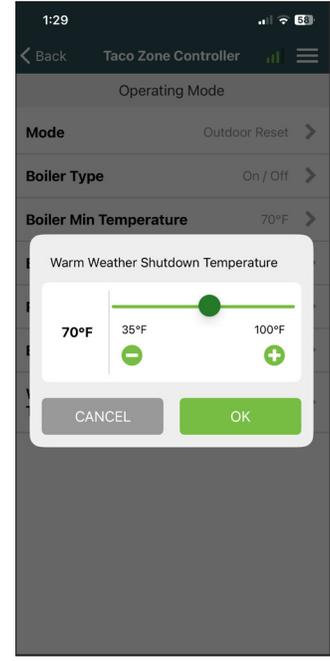


**Response Time:** Can be adjusted to match the equipment connected. High-mass systems usually have slower response times than low-mass.

## OUTDOOR RESET SETTINGS WHEN PC800-5 INSTALLED (CONTINUED):



**Reset Ratio:** Sets the relationship between outdoor temperature and supply water temperature. It determines the amount the supply water temperature is raised for every 1-degree outdoor temperature drop. For example, if a Reset Ratio of 1.2 is selected, the supply water temperature is increased by 1.2 degrees of every 1 degree of outdoor temperature drop. The Reset Ratio is calculated by using the formula = (Design Supply Temperature - 72F) / (72 - Design Outdoor Temperature) or use the chart here.



**Warm Weather Shutdown Temperature:** This is an energy-saving feature and temperature setting that automatically stops space heating when outdoor temperatures rises above this threshold (default is 70°F).