

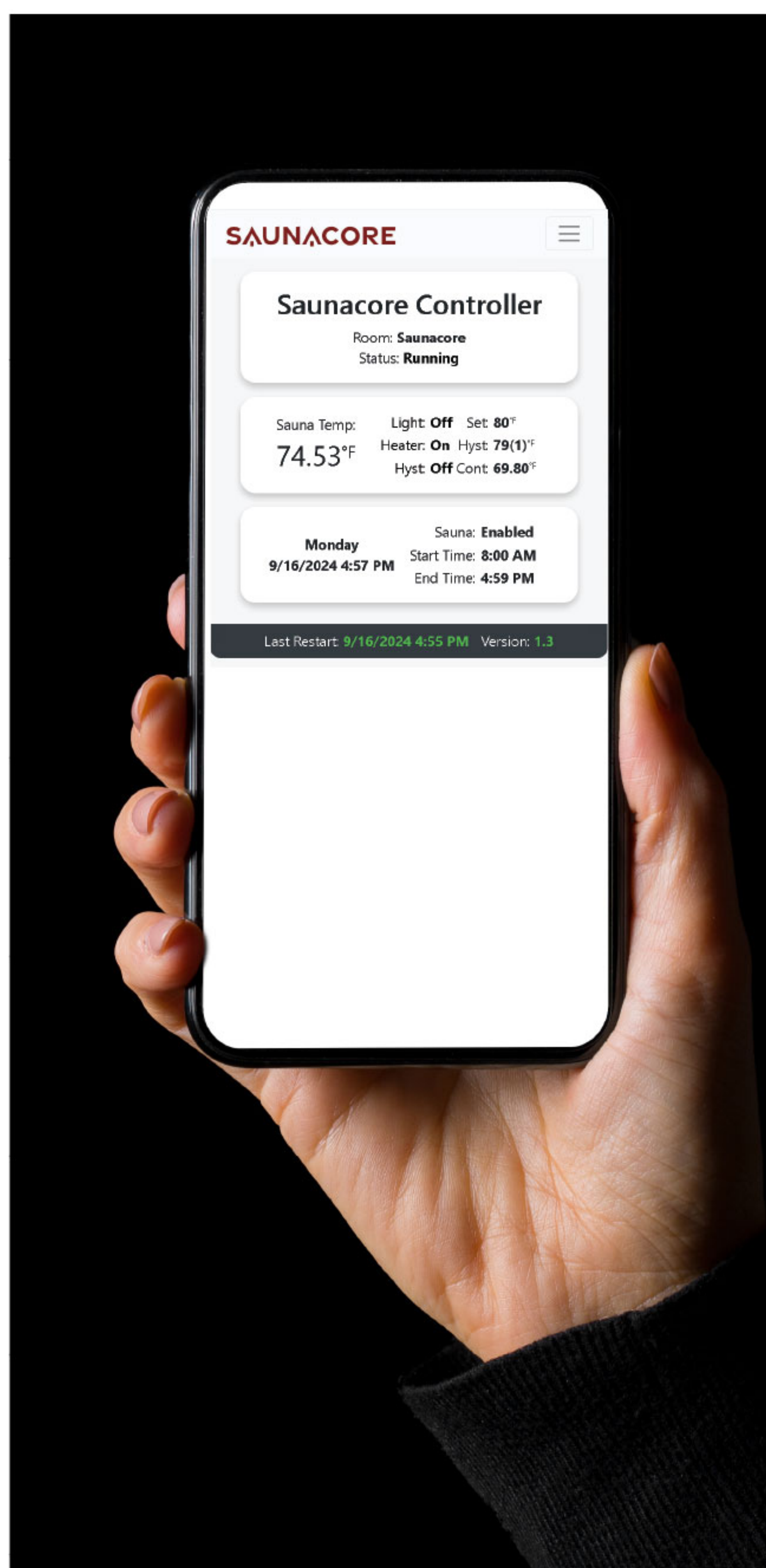
CRG ENVOY SAUNA PROGRAM **USER GUIDE**

Commercial Sauna Interface

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Overview:

This User Guide is to assist in the operation of the *CRG Sauna System*, using the **CRG Envoy Sauna Program**. Envoy helps manage settings for a sauna, or multiple saunas, in a commercial setting over a specified period of time. This guide will go through the features and benefits of Envoy, and will help in getting the best value from the sauna system. This includes cost savings from scheduling/power usage, software updates and trouble shooting. Using Envoy also regulates access control, and restoring operation of sauna schedules after experiencing loss of power. It is advised to carefully review this Envoy User Guide, familiarize with the controls, and keep the guide handy for reference.



DESIGN. PLAN. BUILD.

Features & Benefits:

Features	Benefits
Change sauna settings from any phone, tablet, or work station on the facility network.	<ul style="list-style-type: none">• Eliminates need to have a computer or tablet set aside solely to run a sauna.• Update sauna settings and scheduling from anywhere on the facility network with authorized username and password.
Envoy allows the sauna to run without user/customer intervention	<ul style="list-style-type: none">• Staff members have no need to interact with sauna controls for it to operate.• Envoy provides a seven-day schedule, allowing a facility manager to set a specified start and stop time for each day of the week. The sauna will automatically run during the specified/programmed times.• Envoy will heat, and maintain, the programmed sauna temperature for the specified day's time cycle.
Holiday tracking prevents the sauna from running when not needed	<ul style="list-style-type: none">• Save energy costs and improves safety by specifying holidays in advance, preventing the sauna from running.
Envoy provides automatic recovery from a power failure	<ul style="list-style-type: none">• After experiencing a loss of power, Envoy will start back up without intervention once power is restored.
Logging for troubleshooting	<ul style="list-style-type: none">• Envoy tracks operations and maintains a log for up to 1 year, assisting with troubleshooting and issues that may occur.
Automatic Updates	<ul style="list-style-type: none">• When Envoy is connected to the Internet (recommended), it automatically checks for, and installs software updates daily

OPERATING SCREENS

About/Home Screen:

Once logged into Envoy, the Opening/Home, or User Screen will appear.

Figure A shows Envoy in a mobile display, illustrated with the dropdown menu in the upper right corner of the screen.

Figure B shows Envoy on a tablet with the menu across the top of the screen. (same on same on a computer monitor)

Menus items include:

SCHEDULE – for setting days of the week, times and sauna temperature (including hysteresis)

HOLIDAYS – for pausing sauna operation on days facility is closed

CONTROLLER – for setting passwords, connecting to facility server, sauna light status and setting degree format (C°/F°)

ABOUT – the home screen; for reviewing overall sauna status, including on/off, temperature, lights and time schedule

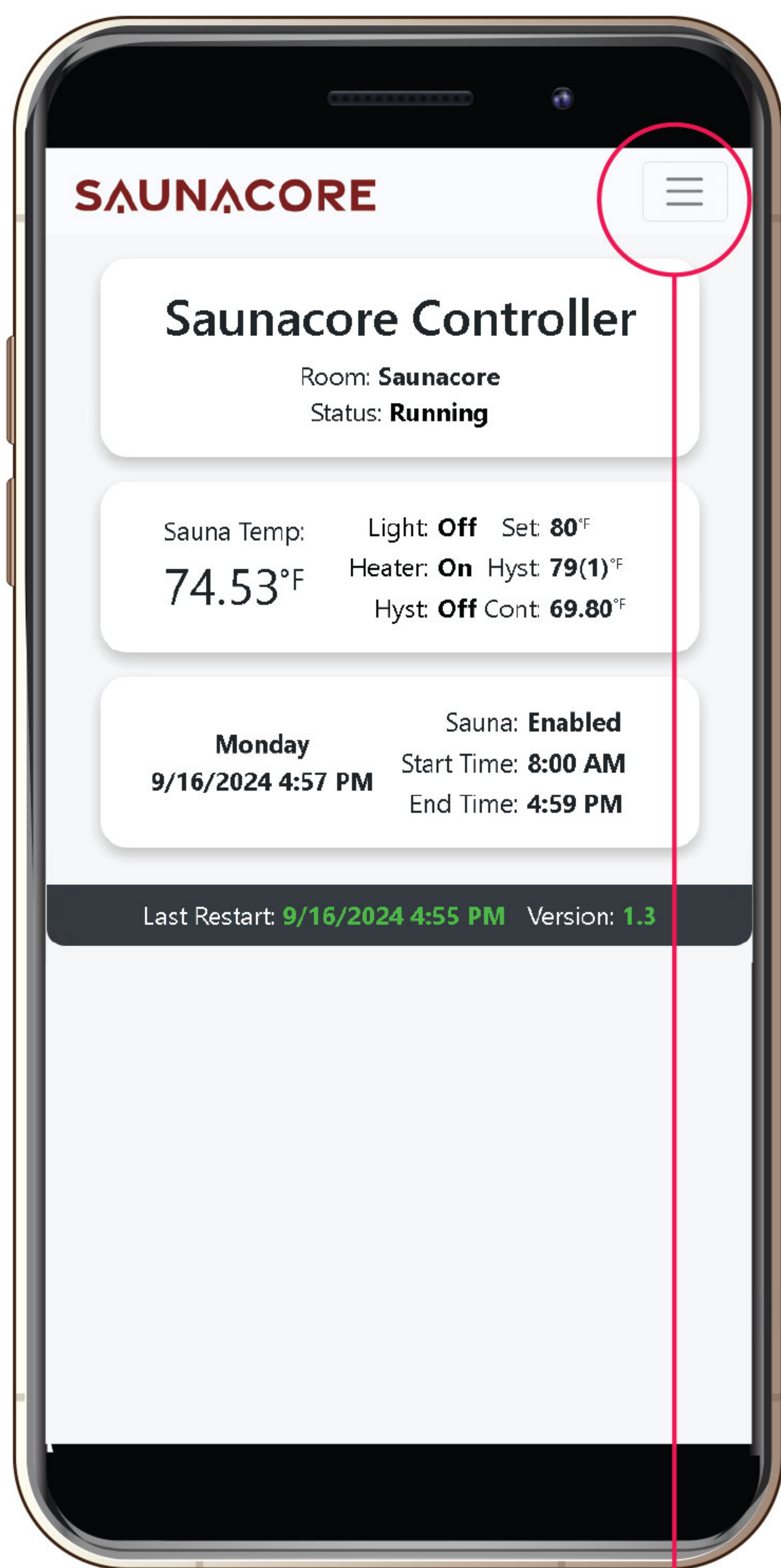


Figure A Envoy on a mobile device
– drop down menu in upper right

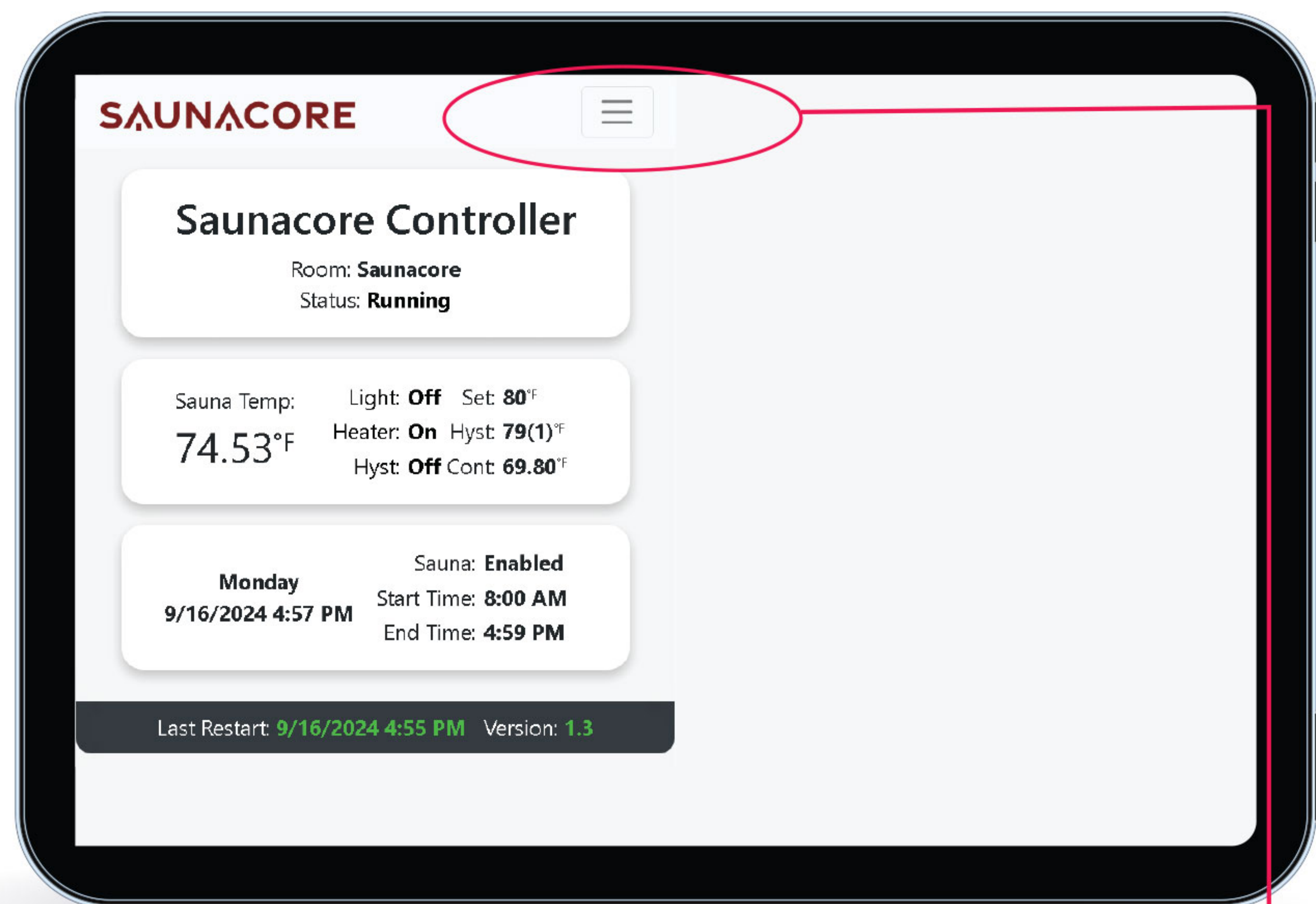


Figure B Envoy on a computer monitor – menu is in across the top

OPERATING SCREENS

About Screen:

>>Click on the About button

Figure C On this screen, the *first section* displays the given name of the sauna room and its status, which, in this case, is running.

The *second section*, displays several bits of information pertaining to the sauna temperature and cycle settings. On the left is the current sauna temperature. To the right, in the first line the status of the sauna lights and set sauna temperature display. In the second line, you will see the status of the sauna heater and the hysteresis setting.

NOTE: *Hysteresis is the rest period while the sauna temperature peaks and falls. Once the target is reached, heating will pause until the temperature drops by this amount.*

In the third line, the display indicates if Hysteresis is on or off, and the current temperature of the sauna controller board.

In the *third section*, the current day of the week, date and time are displayed on the left. To the right, the first line displays if the sauna cycle is enabled or disabled for the day, with the start and end time displayed on the second and third line respectively.

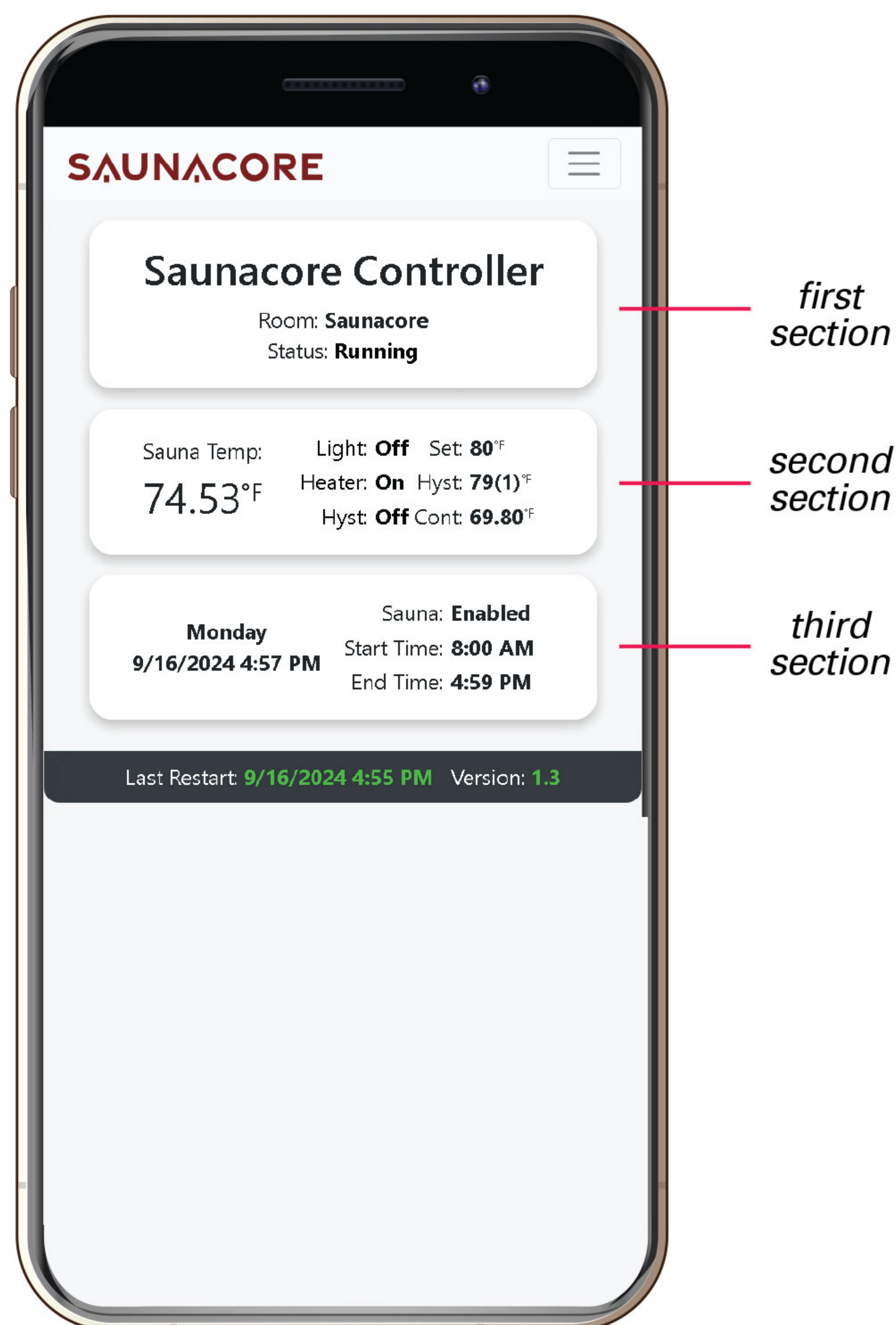


Figure C Envoy About screen – sauna room status and current settings

OPERATING SCREENS

Schedule Screen:

>>Click on the Schedule button

Figure D shows the fields to set days and hours for weekly sauna sessions. Each day of the week can have different start and end times. Be sure to give the sauna enough time to get up to temperature before users/guests arrive. Most scenarios require about 45 minutes before opening.

Below the days and times, set the running temperature for the sauna unit. Depending on the type of sauna, this will vary.

For a Hot Rock Sauna; the temperature is usually set to 180° Fahrenheit.

For an Infrared Sauna; the temperature is usually set to 145° Fahrenheit.

Set the Hysteresis, usually 3 to 5 degrees, for the variance.

CLICK "Save Schedule" to save setting changes

WARNING

Never set a Hot Rock Sauna above **180° F**

Never set an Infrared Sauna above **145° F**

Consult a CRG Sauna System representative for complete sauna temperature recommendations

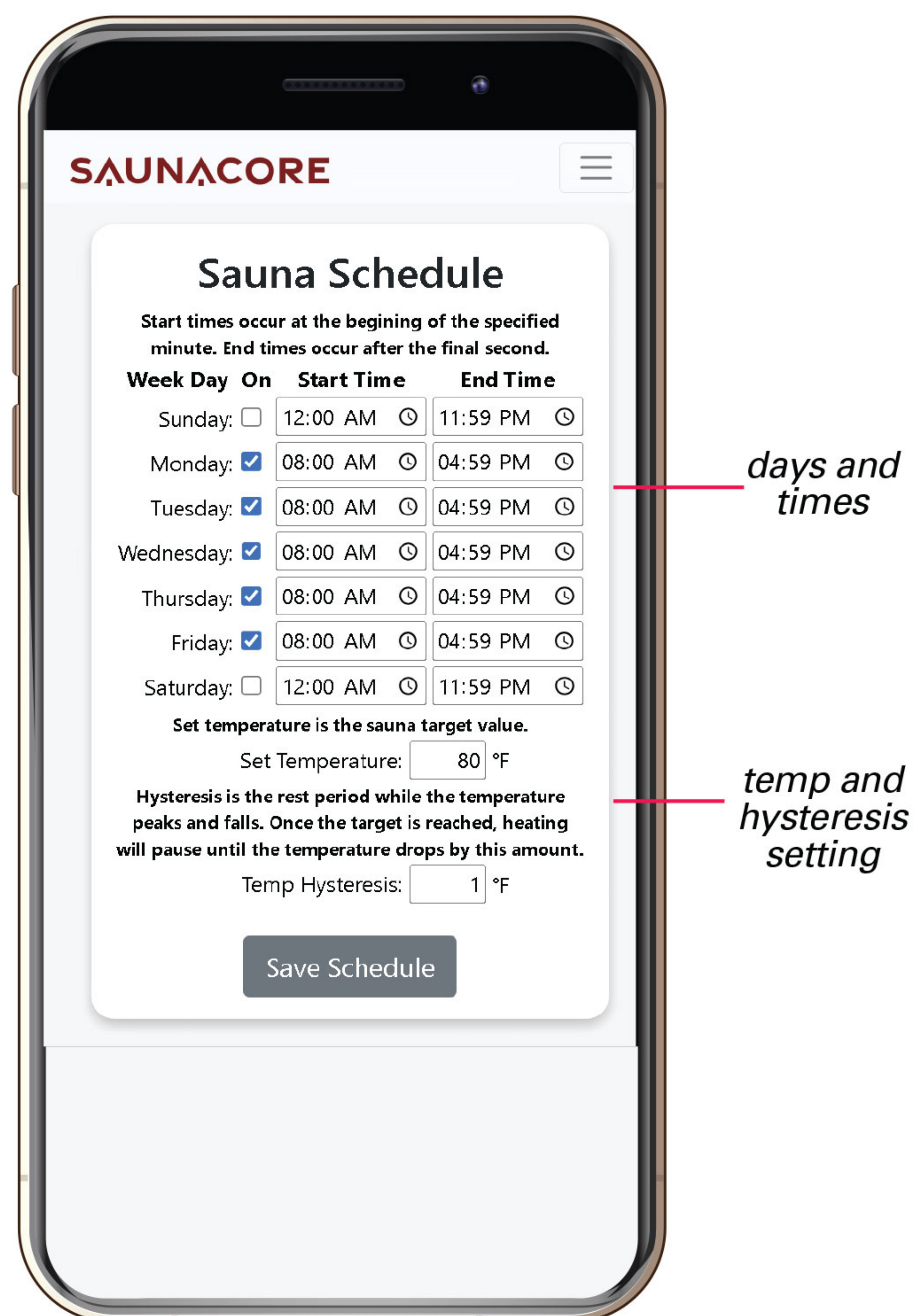


Figure D Envoy Schedule screen – adjusts sauna run schedule by day and time, also sets temperature and hysteresis

OPERATING SCREENS

Holidays Screen:

>>Click on the Holidays button

Figure E Save up to 20 holidays when the sauna cycle will not commence and sit idle. From the first section, select the holiday from the menu options to add/edit a day to pause sauna operation. The second section confirms date and times for that holiday. The sauna will not run for the entire 24 hour period of that day.

CLICK “Edit Holiday” to save setting changes

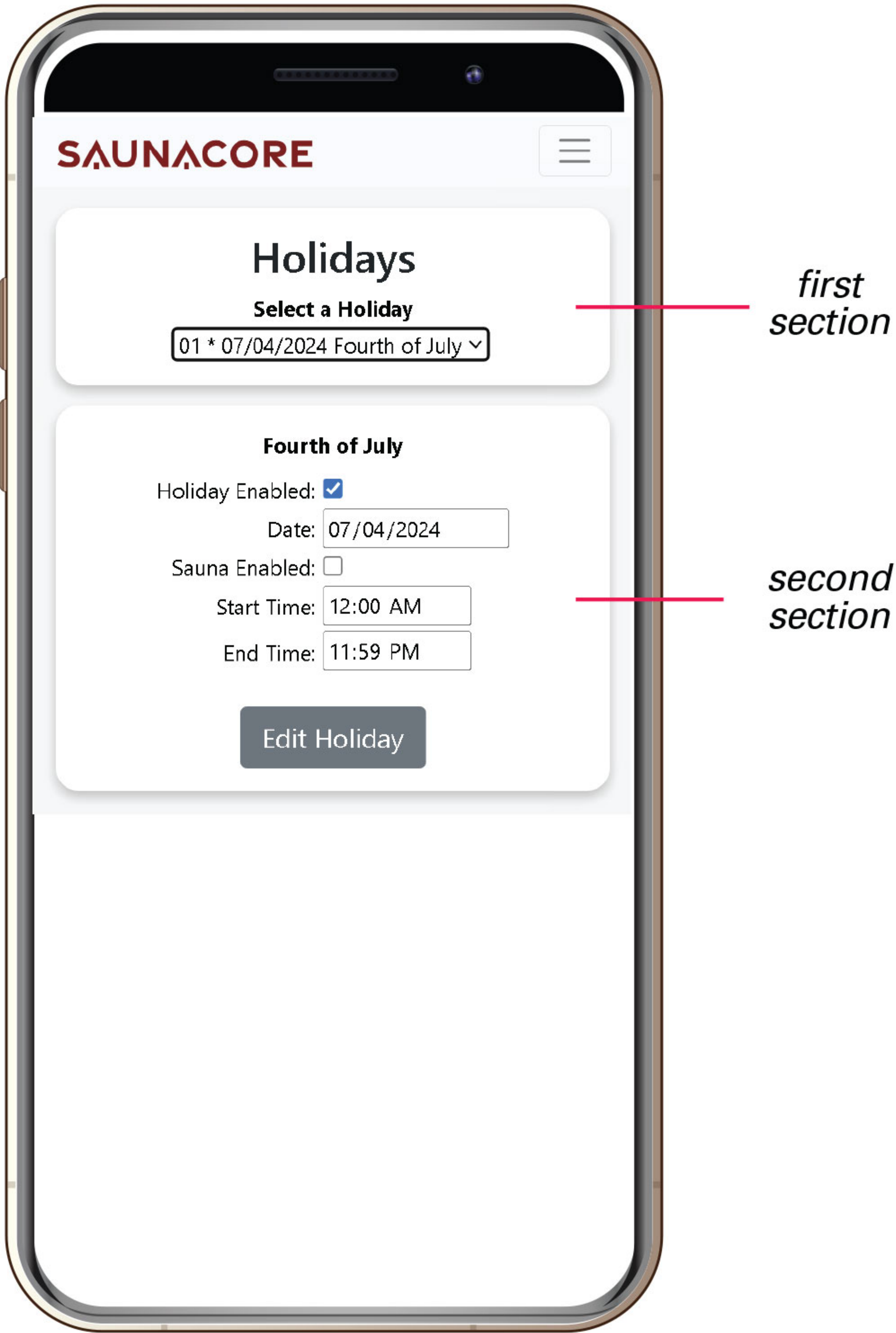


Figure E Envoy Holidays screen – stops sauna operation for 24 hours during a holiday or facility closure

OPERATING SCREENS

Controller Screen:

>>Click on the Controller button

Figure F This screen allows the editing of the following Envoy items:

- Sauna room name (mens/womens/etc.)
- Add/Edit facility network/server names
- Time zone settings for facility location
- Turn sauna lights on and off
- Temperature format from Fahrenheit to Celsius
(verify set temperature and hysteresis settings)
- Enable the Sauna Session button (Optional?) **SEE NOTE**
(verify set temperature and hysteresis settings)
- Change the password to access the system

CLICK "Save Settings" to save setting changes

NOTE:

The Sauna Session button on Envoy assists in meeting specific local or regional requirements to have a timed session for the highest sauna heat settings. Most locations require a 60-minute timer. Therefore, the sauna would heat to a lower level and then ramp up to the highest level when hitting the button for 60 minutes.

SAUNACORE

Controller Settings

Room Name and MDNS
MDNS update requires a restart.
Room: **room name**

Network Time Services
Server 1: **network names**
Server 2:
Time Zone: **time zone**

Sauna Light Mode
Lights: **light toggle**

Temperature Scale
Verify set temperature and hysteresis when changed.
Scale: **temp format**

Session Button
Requires a controller with session button support.
Verify temperature settings when changed.
Button Enabled: **sauna session**

Change Website Password
Leave blank to keep the current password.
Requires restart to switch to the new password.
Password:
Re-enter: **network password**

SEE NOTE

Save Settings

Figure F Envoy Controller screen – program sauna app basics such as name, server, password, temperature format, time zone and enabling sauna sessions (see note)

OPERATING SCREENS

Sauna Schedule (With Session) Screen:

>> *Enable the Sauna Session button from the Controller Menu*

Figure G Once the “Enable Sauna Session” button is activated on the Envoy “Controller Screen,” some items change throughout the Envoy software. For example, on the “Sauna Schedule Screen,” new fields appear below the day and time fields.

A sauna session target temperature, hold temperature, hysteresis temperature, and duration must be entered.

CLICK “Save Schedule” to save setting changes

Consult a CRG Sauna System representative for complete sauna session details and temperature recommendations

SAUNACORE

Sauna Schedule

Start times occur at the beginning of the specified minute. End times occur after the final second.

Week Day	On	Start Time	End Time
Sunday:	<input type="checkbox"/>	12:00 AM	11:59 PM
Monday:	<input checked="" type="checkbox"/>	08:00 AM	04:59 PM
Tuesday:	<input checked="" type="checkbox"/>	08:00 AM	04:59 PM
Wednesday:	<input checked="" type="checkbox"/>	08:00 AM	04:59 PM
Thursday:	<input checked="" type="checkbox"/>	08:00 AM	04:59 PM
Friday:	<input checked="" type="checkbox"/>	08:00 AM	04:59 PM
Saturday:	<input type="checkbox"/>	12:00 AM	11:59 PM

Set temperature is the session target value.
Set Temperature: °F

Hold temperature is the idle target value.
Hold Temperature: °F

Hysteresis is the rest period while the temperature peaks and falls.
Once the target is reached, heating will pause until the temperature drops by this amount.
Temp Hysteresis: °F

Session duration is the number of minutes to run at set temp when the session button is pressed.
Session Duration: Minutes

Save Schedule

session temp
idle temp
hysteresis temp
session duration

Figure G Envoy Schedule screen – with the Sauna Session button enabled from the Controller Screen and new fields showing

OPERATING SCREENS

About (With Session) Screen::

>> *Enable the Sauna Session button from the Controller Menu*

Figure H Once the "Enable Sauna Session" button is activated from the "Controller Screen", and the temperatures/duration have been saved in the "Schedule Screen", the "About Screen" will show the new sauna room settings and status.

Consult a CRG Sauna System representative for complete sauna session details and temperature recommendations

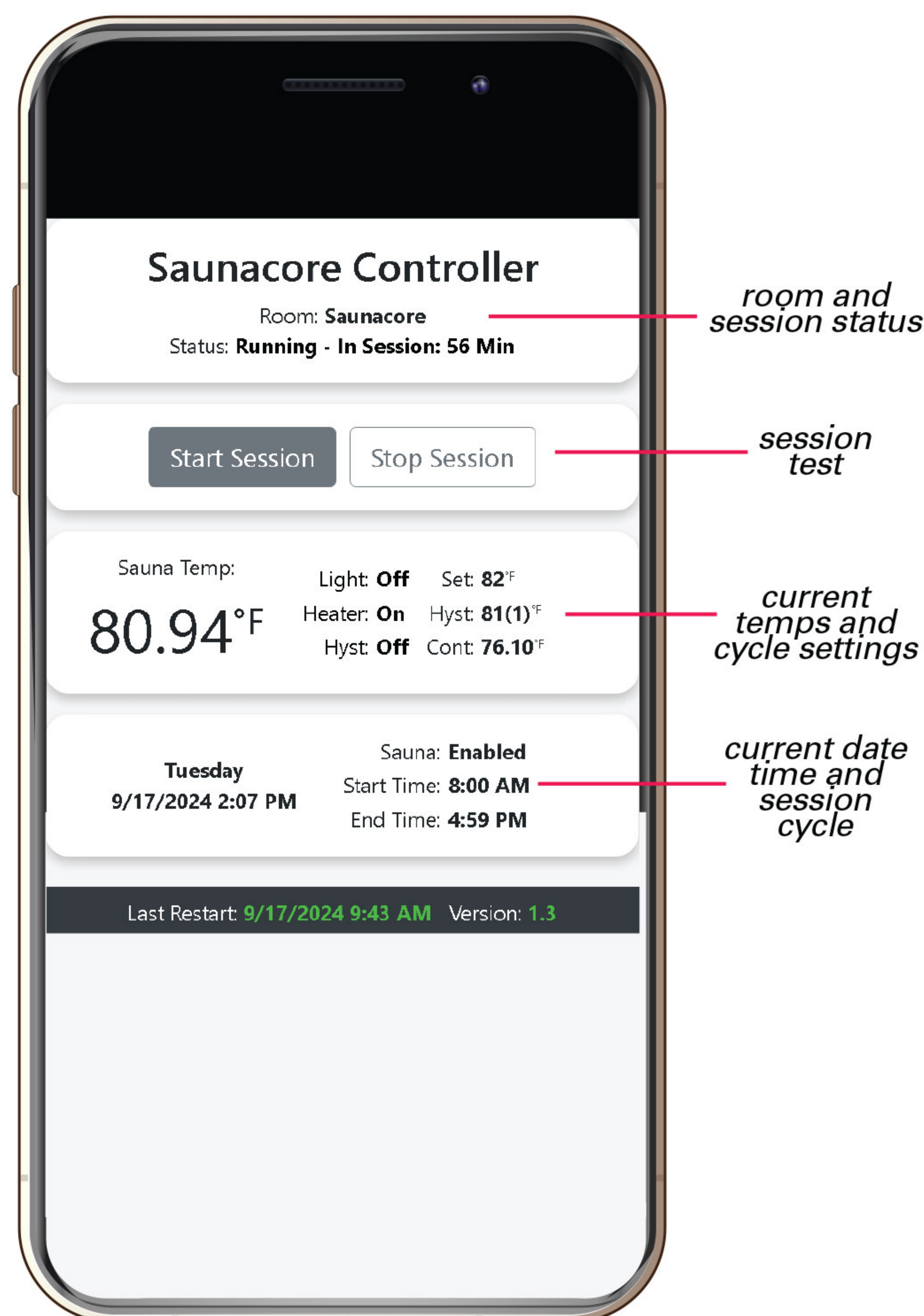


Figure H Envoy About screen – sauna status and current settings with sessions enabled

CRG ENVOY SAUNA PROGRAM **USER GUIDE**

Commercial Sauna Interface

User information Request:

A user should supply the following information before shipment to make installation easier.

WiFi SSID (Service Set Identifier):	
WiFi Password:	
Static IP Address, if available:	
Commercial Location Name:	
Address:	
City, State, Zip	
Phone:	
Contact:	
Hours/Days: e.g. Mon-Fri 5:00 am -11:00 pm:	
Sauna Names: e.g.: Men's/Women's	
Time Zone:	
Infrared or Hot Rock:	
Comments/Notes:	