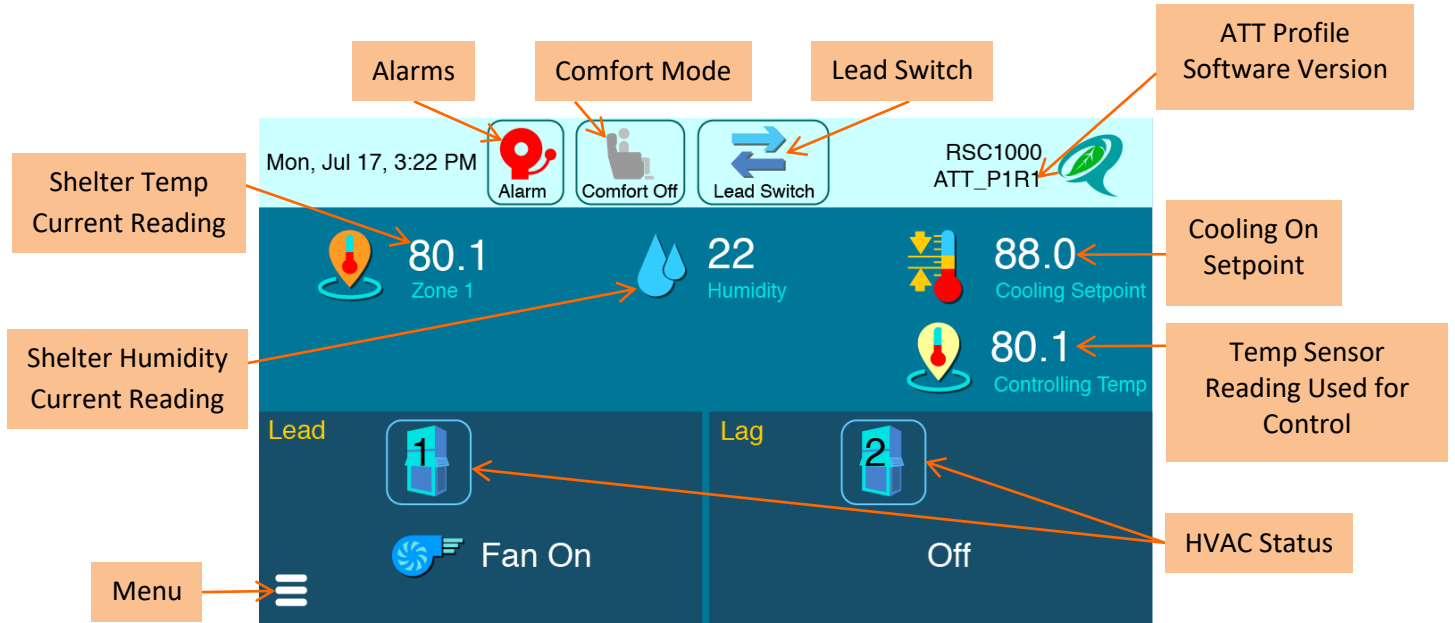




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The touchscreen has a power save mode to prevent images from being burnt into the screen. Touch the screen anywhere to wake up the display and see the current status.



RSC 1000 Touchscreen

**Comfort Mode** – Press the **Comfort Mode** icon to temporarily change the control setpoints. The system will ask you to confirm. Comfort mode lasts for 1 hour or you can press the Comfort Mode icon again to exit and return to normal operation.

**Lead Switch** – Press the **Lead Switch** Icon to change the HVAC lead system. The system will ask you to confirm.

**Alarms** – The **Alarm** icon will be red if there are any active alarms. Press the icon to see the current active alarms. Press the **All button** (on the bottom of the screen) to see the alarm history. Use the **Page Up** and **Page Down** buttons to scroll through the alarms. Press the **Alarm** icon again to return to the main screen.

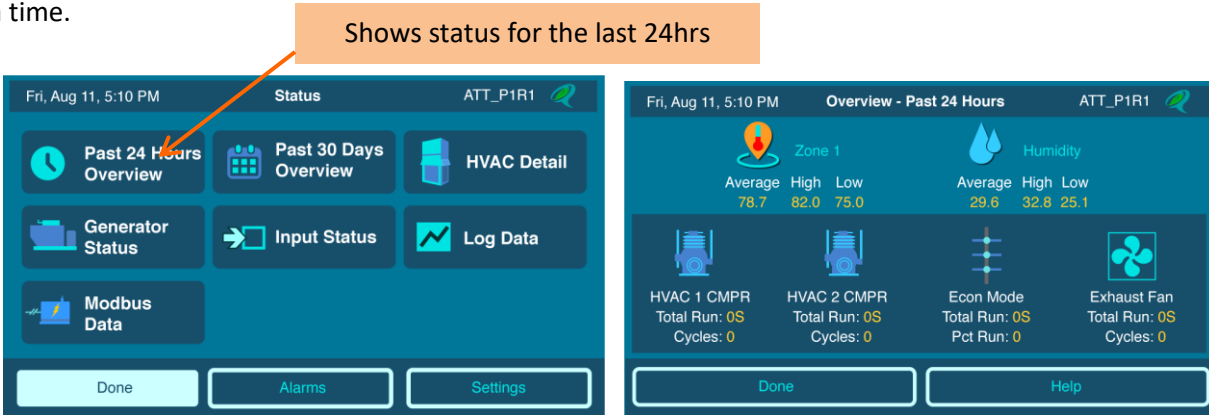
**Status** - The main screen shows the basic status for the shelter. Detailed status of each HVAC unit can be viewed by touching on the **HVAC** icons.



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**Additional Status** – Press the **Menu** button and the **Status** button to display the available choices for reviewing status. Select the desired choice to see the data. Press the **Done** key to backup one screen at a time.



**Smoke Alarm Override** – Some smoke detectors has a high temp threshold limit that can cause it to go into alarm and shutdown the HVAC. Verify there is not a fire or smoke condition present and then press the **Menu** button in the lower left corner of the display and then the **System** button. Press **Diags** then **Board Hardware** and either **HVAC 1** or **HVAC 2**.

The choices will have a green background indicating the point will turn on when pressed or they will have a red background indicating the point will go off when pressed.

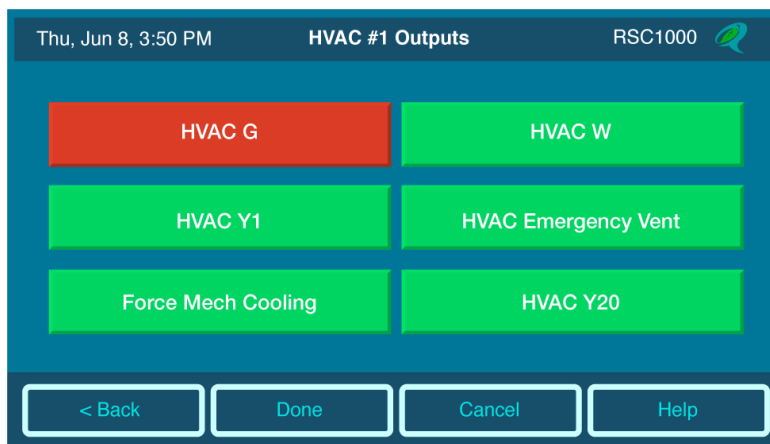


Figure 1 - HVAC Override Screen

Use the following table for overriding the HVAC control:

RBS Alarm Name	Press This Button
<b>HVAC Supply Fan</b>	HVAC G
<b>HVAC Cooling</b>	HVAC Y1
<b>HVAC Heat</b>	HVAC W

*\*Turn on the fan and leave it running while bypassing the cooling.*

The outputs will stay in the condition selected until the screen is exited by pressing **Done** or if the inactivity timeout is reached.

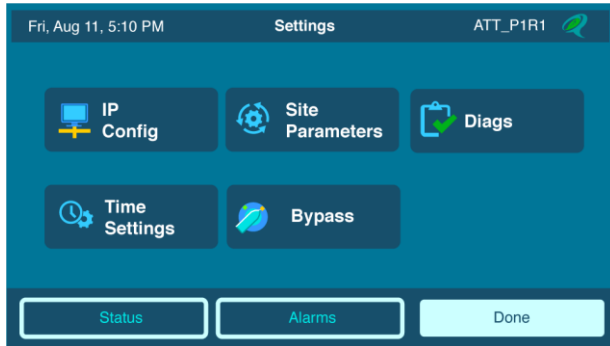


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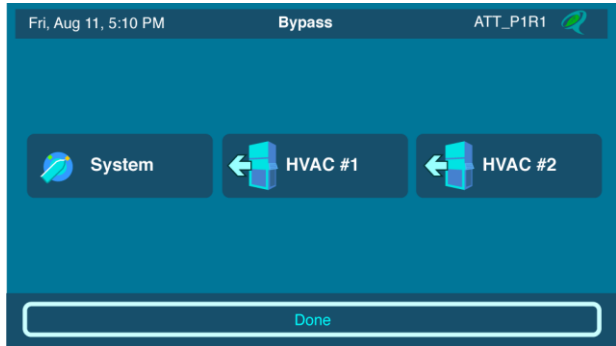
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**Bypass HVAC** – The HVAC can be bypassed for up to two hours if there is not a smoke alarm present. Press the **Menu** button in the lower left corner and then **Settings**. Choose **Bypass** and the HVAC unit to be bypassed. Choose **Cool Stage 1** and use the dials to select **On** and the time duration. Press **Done** to activate the bypass. The RSC will turn on the supply fan and cooling for the duration time selected and then will return to automatic. To manually cancel the bypass, prior to the timeout, go back to the Bypass screen and select the **Cooling Stage 1**. The system will ask you to confirm clearing the bypass.

A



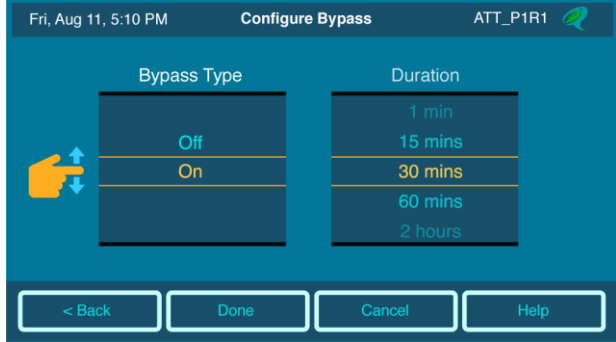
B



C



D



## Alarm Settings

Alarm Name	Alarm Active	Delay Time	Severity	Activate Alarm Output
High Shelter Temp Level 2	98	5 Sec	CRITICAL	RBS TEMP HIGH
High Shelter Temp Level 1	93	5 sec	MAJOR	RBS LAG HVAC RUNNING
Low Shelter Temp	35	5 sec	CRITICAL	RBS TEMP LOW
High Shelter Humidity	90	15 min	CRITICAL	RBS HUMIDITY HIGH
Low Shelter Humidity	5	15 min	MINOR	n/a
Smoke/Fire	On	5 Sec	CRITICAL	RBS SMOKE
Toxic Gas	On	30 Sec	CRITICAL	RBS HYDROGEN DETECTED
Generator Is Running	On	5 Sec	MAJOR	RBS GENERATOR RUNNING
HVAC #1 Lockout	On	5 Min	CRITICAL	RBS HVAC 1 FAIL
HVAC #1 Control Voltage Lost	On	5 Min	CRITICAL	RBS HVAC 1 FAIL
HVAC #2 Lockout	On	5 Min	CRITICAL	RBS HVAC 2 FAIL
HVAC #2 Control Voltage Lost	On	5 Min	CRITICAL	RBS HVAC 2 FAIL