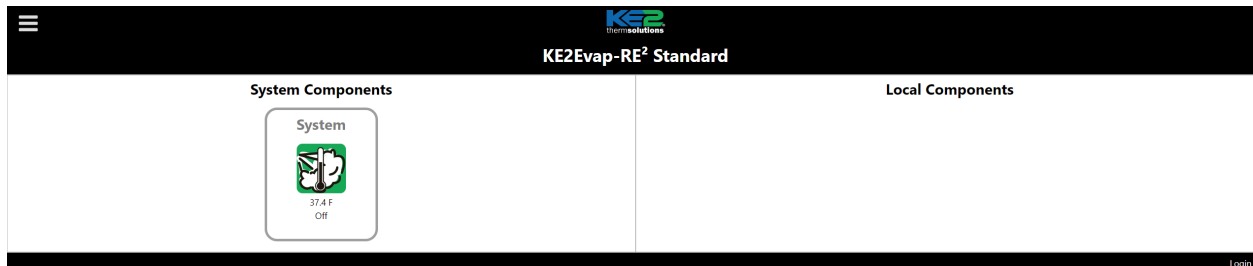


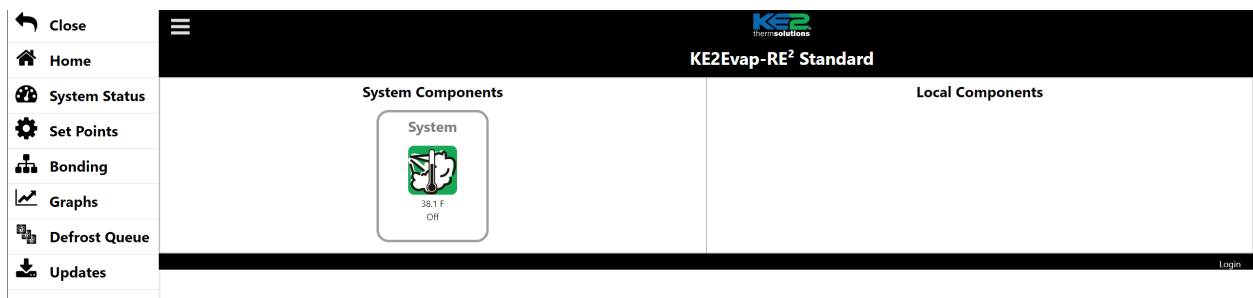
Display Case Controller User Manual

The WiFi radio is normally off. To turn it on, connect a remote display to controller. Simultaneously press and hold the right arrow button and back button until the display reads WIFI ON. Find the controller on your device. Enter the SSID of 'KE2RE-xxxx' where xxxx is last 4 digits of serial number of controller. To turn radio off, simultaneously press and hold the right arrow button and back button until the display reads WIFI OFF, 15 minutes of inactivity, or on for 8 hours.

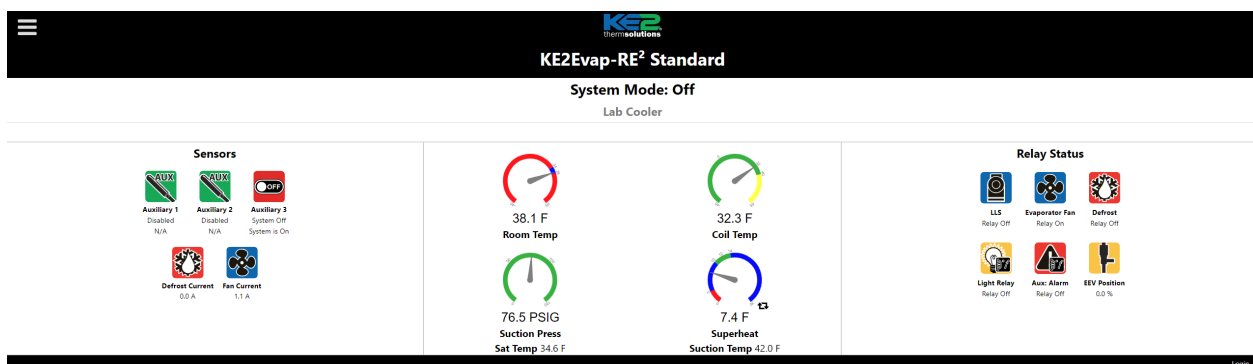
You can connect the controller wired or wirelessly to a LAN or to a wired or wireless device. Once connected, open a web browser and enter the IP address of the controller. Following is displayed:



To see other views, click on 3 bars in upper left corner:



Click on 'System Status' to view readings and states of I/O of the controller:



Click on 'Set Points' to view and change set points:

<div> <div></div> <div>KE2Evap-RE² Standard</div> </div>
Refrigeration
Stepper Valve
Defrost
Inputs And Outputs
Alarms
Network
General Information
<div> <div></div> <div>Login</div> </div>

The set points page for each group is as follows:

Refrigeration

Room Temp (units: F)

37.8

Refrigerant

R-404A

Min Comp Runtime (units: MIN)

2

Min Comp Off Time (units: MIN)

5

Air Temp Diff (units: F)

1.0

2nd Room Temp (units: F)

35.0

2nd Room Temp Select

Primary

Refrig Fan Mode

On w/ Compressor

Fan Speed (units: %)

0.0

Temp Units

Fahrenheit

Multi Air Temp Control

Warmest Air

Extreme Diff (units: F)

20.0

Save

Cancel

Stepper Valve

Valve Type

SER/SEI 1-20

Superheat (units: F)

12.0

Max Operating Pressure (units: PSIG)

150.0

Motor Step Rate

200

Max Valve Steps

1600

Motor Type

Bipolar

PID

Proportional

3

Integral

5

Derivative

3

Save

Cancel

Defrost

Defrost Type

Air

Defrost Term Temp (units: F)

39.8

Drain Time (units: MIN)

0

Fan Delay Temp (units: F)

20.0

Max Fan Delay Time (units: MIN)

0

Defrost Fan State

On

Defrost Mode

Demand

Electric Defrost Mode

Permanent

Defrost Pump Down Time (units: MIN)

0

Defrost Queue

Disabled

Demand Defrost

Parameter

40

Schedule Defrost

Per Day

5

Max Time (units: MIN)

40

First Defrost Delay (units: MIN)

120

Run Time Defrost

Compressor Run Time (units: HR)

6

Next Mode

Next Mode

Save

Cancel

Inputs And Outputs

Aux 1 Input

Mode

Disabled

Aux 2 Input

Mode

Disabled

Aux 3 Input

Mode

System Off

State

Active Closed

Sensor Calibration Offsets

Air Temp Offset (units: F)

0.0

Coil Temp Offset (units: F)

0.0

Suction Pressure Offset (units: PSIG)

0.0

Suction Temp Offset (units: F)

0.0

Outputs

Auxiliary Relay Mode

Alarm

Save

Cancel

Alarms

High Temp Alarm Offset (units: F)	1.2	Defrost Current
High Temp Alarm Delay (units: MIN)	60	Nominal Current (units: A)
Low Temp Alarm Offset (units: F)	4.0	0.0
Low Temp Alarm Delay (units: MIN)	10	Acceptable Range (+/-) (units: A)
Door Alarm Delay (units: MIN)	30	0.0
		Fan Current
		Nominal Current (units: A)
		1.0
		Acceptable Range (+/-) (units: A)
		0.2
		Detect Current Thresholds
		<input type="button" value="Detect Current Thresholds"/>
		Clear Alarms
		<input type="button" value="Clear Alarms"/>

Save Cancel

Network

Ethernet	BACnet
IP Address	BACnet Mac Address
10.9.5.1	0
Subnet Mask	BACnet Device ID
255.255.255.0	0
Gateway	BACnet Description
10.9.5.254	
DNS	BACnet Vendor Name
10.1.1.1	KE2 Therm Solutions
DHCP mode	Baud Rate
Enabled ▼	38400 ▼
Web Page Log In	KE2 Smart Access
Username	Site
Password	Password
.....
	KE2 Smart Access Enabled
	Enabled ▼
	Remote Assistance
	Enabled ▼

Save Cancel

General Information

Business Name	KE2 Therm Solutions	Reset
Location	Lab Cooler	<input type="button" value="Reset"/>
Phone Number	(888) 337 3358	Date and Time
Walk-in Manufacturer	KE2 Therm Solutions	Sync
		<input type="button" value="Sync"/>
		Date and Time
		2018-09-25T10:15:02

Save Cancel

The controller has the capability of communicating with like controllers to sync defrost, etc. This is called bonding.

KE2Evap-RE² Standard

Discovered Controllers

Discover

Bonding Setpoints

Logout

Click 'Discover' to find other like controllers

KE2Evap-RE² Standard

Discovered Controllers

A62010001000041
 E4956E4B9B64
 10.1.0.41

A62010001000196
 E4956E4B9B46
 10.1.0.196

A62010001000137
 E4956E4B9B4C
 10.1.0.137

Discover

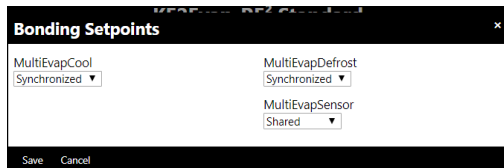
Bond

Bonding Setpoints

Logout

Select the ones you want this controller to talk to, then click bond.

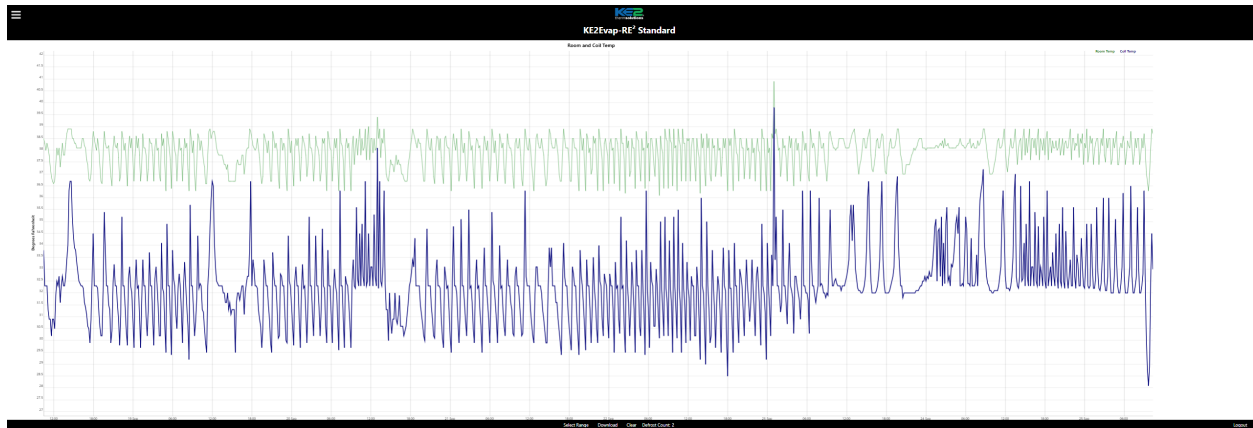
Bonding set points are the following:

A screenshot of a 'Bonding Setpoints' dialog box. It contains three dropdown menus: 'MultiEvapCool' set to 'Synchronized', 'MultiEvapDefrost' set to 'Synchronized', and 'MultiEvapSensor' set to 'Shared'. At the bottom are 'Save' and 'Cancel' buttons.

MultiEvapCool Synchronized ▼	MultiEvapDefrost Synchronized ▼
	MultiEvapSensor Shared ▼

Save Cancel

To download data and graph, select Graphs:



To update firmware, select 'Updates'

FCC information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the KE2 Therm could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

IC information

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (A)/NMB-3(A)