Accessing the web page of a Surveillant Demand Defrost Evaporator Control reveals a great deal of information about the system performance, setpoints and allows for quick adjustments. While this information is also available using the user interface of the controller, when networked, the controller’s information can be accessed, reviewed, and changed from anywhere there is network access.
Home Page

What the screen shows: Displays real time system information, and shows the interaction of multiple system conditions
This screen looks at the system conditions, and can help with diagnostics, system performance, or just offer peace of mind that the system is running properly.
**Settings**

What the screen shows: The Settings page contains controller configuration for email and web access. It also allows installers to customize the MasterView with their company information. The Settings page includes the buttons to update the controller, reset power to the controller, send a test e-mail, clear data collected, and clear alarms. If the optional Data key was purchased, it is activated on this screen.

- **Customer information is displayed**
- **User defines controller location for future access and alarm notifications**
- **Update firmware.** Refer to Q.5.6 KE2 Bootloader Guide.
- **Remotely reboots the controller.**
- **Removes all data stored by controller.** Do not use unless instructed to by KE2 Therm.
- **Resets controller's alarms and alarm conditions for 60 minutes.**
- **For help in setting up an email account see bulletin Q.5.3 Establishing Gmail.**
- **Use to verify proper email configuration.**
- **Greyed out functions require user to Login or may not currently be applicable.**
- **Dynamis DNS**
  - Provider: DynDNS.org
  - Host Name: Custom
  - DNS Type: Custom
  - Update Interval: 0

- **Log Key Activation**
  - Current Key: HPHY.PBY-GVHY
  - Time Remaining: 181 Days 22 Hrs
  - Activation Key: 

- **Log**
  - Clear

- **Alerts**
  - Subject: 

- **Surveillant Demand Defrost Evaporator Control**
  - IP Address: 10.0.40
  - MAC Address: 00:04:A3:72:2A:43
  - Business Name: KE2 Therm Solutions
  - Phone Number: (888) 337 3368
  - Location: (Set Location)
  - Location Setting: 

- **Surveillant Demand Defrost**
  - Alert Notifications
    - Email Server: Basic (Port 25) Advanced (Port 465)
    - User Name: 
    - Password: 
    - Address for Alerts: 

- **Network**
  - Provider DNS: DynDNS.org
  - Host Name: Custom
  - DNS Type: Custom
  - Update Interval: 0

- **Save**

- **Login**

- **Update firmware.** Refer to Q.5.6 KE2 Bootloader Guide.
Login

**What the screen shows:** The Login feature prevents unauthorized access to the controller.

The user must enter the password to make changes to the Settings page, Network page, and Setpoints page.

- 2222 is the password which allows the user to make changes to the Settings page, Network page, and Setpoints page.
Network Setup

What the screen shows: Enables the user to Bond the KE2 Evap for multiple evaporator applications, and provides setup for adding controllers to an existing network.

<table>
<thead>
<tr>
<th>Controller #1</th>
<th>Controller #2</th>
<th>Controller #3</th>
<th>Controller #4</th>
<th>Controller #5</th>
<th>Controller #6</th>
<th>Controller #7</th>
<th>Controller #8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller Name: Evaporator</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
<td>Controller Name:</td>
</tr>
<tr>
<td>MAC Address: 00:00:00:00:00:00</td>
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<td>MAC Address:</td>
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<td>MAC Address:</td>
<td>MAC Address:</td>
</tr>
<tr>
<td>IP Address: 10.1.0.40</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
<td>IP Address: 0.0.0.0</td>
</tr>
<tr>
<td>Bond State: Group 1</td>
<td>Bond State:</td>
<td>Bond State:</td>
<td>Bond State:</td>
<td>Bond State:</td>
<td>Bond State:</td>
<td>Bond State:</td>
<td>Bond State:</td>
</tr>
</tbody>
</table>

Surveillant Demand Defrost Evaporator Control

- **IP Address**: May be changed to match the onsite network. Typically, the subnet mask, gateway, and primary DNS should also be changed. (Reset is required to “set” the IP.
- **Network Settings**: May be changed to match customer’s environment.
- **Network Information**: May only be changed while the controller is not bonded.
- **Discover**: Finds all KE2 Evap controllers located on the network. The information then populates the appropriate spaces on the page.
- **Bond**: Creates a link between controllers that coordinates the refrigeration and defrost cycles. When bonding, user should review Multi-evap Setpoints.
- **Save/Group**: Saves bonded grouping. Controllers must be Grouped before they are bonded.
- **Clear**: Clears all fields.
- **Network Settings**: May be changed to match customer’s environment.

WARNING: Network information may only be changed while the controller is not bonded.
Setpoints

What the screen shows: Allows the user to setup the controller, and to customize the controller to meet specific application needs.

The three primary setpoints – Room Temp, Defrost Type and Valve Type are in the gold boxes. Only these three are necessary for the controller to begin normal operation.

IN YELLOW: Three setpoints needed for the controller to begin system operation.

Setpoints

- **Managed Permanent**
  - On w/Compressor
- **Fahrenheit Celsius**
- **Warmest Air Average Air**
- **Mechanical (default)**
  - KE2
  - SER/SEI 1-20
  - SER B - L
  - SEI30
  - SEI50
  - SEH
  - ETS 12 - 50
  - ETS 100
  - ETS 250/400
  - Carel Custom

**Surveillant Demand Defrost Evaporator Control**

- **Temperature**
  - Room Temp: 10.0 °F
- **Defrost**
  - Defrost Type: Electric
  - Defrost Term Temp: 50.0 °F
- **Digital Inputs**
  - Dig In 1 Mode: Door Switch
  - Dig In 2 Mode: Disabled
  - Dig In 3 Mode: Disabled
- **Sensor Offsets**
  - Air Temp: 0.0 °F
  - Coil Temp: 0.0 °F
  - Suct Pressure Offset: 0.0 psi
- **PID**
  - Proportional: Integral: Derivative:
- **Alarms**
  - Hi Temp Alarm Offset: 10.0 °F
  - Hi Temp Alarm Delay: 60 min
  - Low Temp Alarm Offset: 4.0 °F
  - Low Temp Alarm Delay: 10 min
  - Door Alarm Delay: 30 min
- **Manual Control**
  - Current Mode: Defrost
  - Go To: Drain
- **Expansion Valve**
  - Valve Type: KE2
  - Superheat: 8.0 °F
  - Max Oper Press: 150.0 psi
  - Motor Step Rate: 200
  - Max Valve Steps: 1300
- **Bonded Controllers**
  - Multi Evap Cool: Synchronized
  - Multi Evap Defrost: Synchronized
  - Multi Evap Sensor: Shared
- **Electric Air**
  - Hot Gas - Comp On
  - Hot Gas - Comp Off
- **Managed Permanent**
  - On w/Compressor
- **Fahrenheit Celsius**
- **Warmest Air Average Air**
- **Mechanical (default)**
  - KE2
  - SER/SEI 1-20
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While viewing the Setpoints page, the Manual Control information will not automatically update. This prevents losing setpoint changes. If manual control is necessary, refresh the page before going to the next system mode.

IN YELLOW: Three setpoints needed for the controller to begin system operation.

- **Disabled**
- **2nd Temp Door Switch**
- **Ext Alarm**
- **Defrost Interlock**
- **Defrost Lockout**
- **Syst Off Light Switch**
  - * DI 2 & 3 only
  - ** DI 3 only

While viewing the Setpoints page, the Manual Control information will not automatically update. This prevents losing setpoint changes. If manual control is necessary, refresh the page before going to the next system mode.
The Graphing Snapshot shows the past seven days of Room Temp and Coil Temp readings, as well as the number and duration of defrost cycles. It is an essential tool for system analysis and troubleshooting. The experts at KE2 Technical Support can help troubleshoot your system using this information.

Current activity:
- Room and Coil Temp, as well as the day, are displayed when moving the mouse over the data.
- Example: 5.789° 6.7 Room Temp -4.4 Coil Temp

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Download History:
- This option downloads the Survellant Controller History. The file is .csv format.
- Example:
  
  It is now 16:47 PM 12/14/2012

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* Requires Data Key activation after 6 month free trial.