

KE2 Controlled Environment

Temperature and Humidity Controller



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The **KE2 Controlled Environment** is an ideal controller for managing the temperature and humidity of your perishable and sensitive product inventory.

In addition to precise humidity control, the KE2 Controlled Environment incorporates the features of our standard KE2 Evaporator Efficiency controller including remote monitoring and control, alarm notification via text or e-mail, performance graphs, and energy savings through more efficient system control.

Applications

The KE2 Controlled Environment is ideal for products requiring sensitive humidity and temperature storage.

Applications:

- Clean rooms
- Paper & document storage
- Cheese aging rooms
- Meat curing rooms
- Growth chambers
- Green houses
- Ripening rooms

Products like:

- wine
- flowers
- meat
- dairy
- candy
- fruits & vegetables
- tobacco
- seafood
- nuts
- medicine

These are just some of the applications where the KE2 Controlled Environment is beneficial.



Benefits

- 1 Improved product integrity**

Precise regulation of the conditioned space's humidity and temperature helps keep perishable product at its optimum state for both texture and flavor, and can extend shelf life.
- 2 Reduced spoilage and shrinkage**

By defrosting only when needed, maintaining the desired humidity level, and providing more consistent temperature control, the KE2 Controlled Environment reduces environmental fluctuations that can damage inventory. The KE2 Controlled Environment helps maintain the ideal moisture in the product – preserving the product quality and reducing shrinkage.
- 3 Protect valuable inventory - Alarm notification text/e-mail**

With alarm alerts sent directly to your phone or e-mail there are no more Christmas morning runs to check your conditioned space. When connected to the Internet, the KE2 Controlled Environment will instantly notify you of a problem, protecting valuable inventory and providing peace of mind.
- 4 Energy savings**

Now you can do the "right" thing and realize a typical payback in less than 24 months. Average up to 20% system energy savings using the KE2 Controlled Environment compared to traditional controls. And, with utility rebates in many areas, payback is even quicker.
- 5 Remote monitoring & system control**

Check your system from anyplace with Internet service. The KE2 Controlled Environment lets you stay on top of the system, without staying with the system. Adjust setpoints, view current performance, or for service technicians, save time and improve service call efficiency by viewing remotely before arriving on the jobsite.
- 6 Data logging feature for documentation and trouble shooting**

The controller's standard seven day graph shows room temperature and humidity readings. However, with the optional data key, the KE2 Controlled Environment tracks 17 parameters, logged every 10 minutes, for a full 31 days. The controller's data logging feature provides documentation of food safety* as well as a detailed look at parameters helpful for diagnosing system issues.
- 7 For new equipment or upgrade of existing equipment**

While the KE2 Controlled Environment is available on new OEM equipment, you can also upgrade your existing equipment. In many cases, the improved performance of the system has eliminated the need for further equipment investment, and increased the conditioned space's ability to handle larger loads.
- 8 Reduces liability by eliminating moisture issues**

Excess moisture in your refrigerated space can lead to condensation on walls, ceilings and floors – potentially resulting in mildew and mold. Additionally, excess moisture on floors can be slick and hazardous. This can be costly to employee well being, and in terms of liability costs. By managing the defrosts and humidity, the KE2 Controlled Environment maintains moisture at ideal levels and avoids these issues.
- 9 More effective service calls**

The troubleshooting and diagnostic feature of the KE2 Controlled Environment means your service technician is able to view the system remotely, analyze performance data to determine system issues, and respond more quickly. This keeps your equipment up and running.
- 10 Easily integrated with building Energy Management Systems (EMS)**

The KE2 Controlled Environment natively supports XML, allowing it to integrate easily with EMS systems.

* for documentation of data occurring during a power loss, the KE2 Controlled Environment must be used with an Uninterruptable Power Source (UPS).

Communications

The KE2 Controlled Environment can be networked for remote monitoring, control and alarm notifications. And, no special software is required.


When a controller is accessed, the main page of the display shows the controller's current status including the system mode, room temperature and humidity %, along with 14 other readings. Additional page views include Settings, Network, Graphs and Setpoints.

KE2 Therm Controlled Environment


KE2 Therm Solutions
 (888) 337 3358

IP Address: 10.1.0.26 Location: Cooler Left
 MAC Address: 00:04:A3:BC:B4:E9


[Home Page](#)



Room Temp
35.3 F




Room Humidity
79.4 %




System Mode
System Off

Alarm


All Clear




Coil Temp
0.0 F




T1 Suct Temp
37.4 F




Dgt Input1
Disabled




Compressor
Relay Off




Evaporator Fan
Relay Off




Suction Press
20.3 psig




Superheat
51.7 F




System
System Off




Defrost
Relay Off




Aux Relay
Relay Off




Sat Temp
-14.3 F



Valve Position
0.0 %



Dgt Input3
Disabled



Ext Heater Sw
Heater Off

[Home Page](#)

[Settings](#)

[Network](#)

[Setpoints](#)

[Graphs](#)

[Next Mode](#)

[Login](#)

Active Users: 1

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Doin' the green thing.

Because saving energy saves more than just money.

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