

Q.5.11 February 2022

Overview

KE2 Therm controllers with an Ethernet connection (including KE2 Evap, KE2 Evap OEM, KE2 Evap-RE2, KE2 Compressor Sequencer OEM, and KE2 Condenser Fan Control) can be managed from a computer via direct Ethernet connection.

Note: Most KE2 Therm controllers without an Ethernet connection, including KE2 Temp, KE2 Low Temp, KE2 Temp + Valve, and KE2 Adaptive can be accessed from a laptop or smart device via a KE2-Edge Manager.

- **Step 1** Plug one end of an Ethernet cable into your computer and the other end into the controller. Turning off Wi-Fi on your computer is recommended when trying to direct connect via Ethernet. (Note: Ethernet cables are either "straight-through" or "cross-over" and either will work for this connection.)
- **Step 2** Change the IP address of your computer to a Static IP by following these procedures:
 - Windows 11 pages 1-2
 - Windows 10 pages 3-4
 - Windows 7 pages 5-6
 - Windows 2000, XP and 2003 pages 7-8
 - Windows Vista pages 9-10
 - Browser Privacy Warning page 10
- **Step 3** Open a web browser (e.g. Edge, Firefox, Google Chrome), ignoring any notices the browser gives indicating it cannot find an internet connection, and type the controller IP address into the browser's address bar).



Setting a Static IP address on Windows 11





for Managing KE2 Therm Ethernet Controllers



controller has been changed, you will need to look it up via the controller's variables menu and adjust your computer's static IP address settings appropriately. Usually, changing the last number of the IP address is sufficient (Ex. If the controller IP address is 192.168.1.15, you could set your computer to 192.168.1.252).

Note: If the computer will be hardwired to another network later, the process should be reversed to restore the original settings.

You can now directly connect to the controller!

Cancel

IPv4

IPv6

Off

Off

Save



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Now select the button Use the following IP address and enter in the correct IP address, Subnet mask, and Default gateway that corresponds with the picture. When completed, click the OK button.

IP Address: 10.10.255.252

```
Subnet Mask: 255.255.0.0
```

```
Default Gateway: 10.10.255.254
```

Important Note: The values listed above will allow your computer to connect to any controller that is still on its factory assigned 10.10.X.X IP address. If the IP address of the controller has been changed, you will need to look it up via the controller's variables menu and adjust your computer's static IP address settings appropriately. Usually, changing the last number of the IP address is sufficient (Ex. If the controller IP address is 192.168.1.15, you could set your computer to 192.168.1.252).



8 Now close out of the Local Area Connection Properties window.

Note: If the computer will be hardwired to another network later, the process should be reversed to restore original settings.

You can now directly connect to the controller!



for Managing KE2 Therm Ethernet Controllers





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6 Now select the button **Use the following IP address** and enter in the correct **IP address, Subnet mask,** and **Default gateway** that corresponds with the picture. When completed, Click on the **OK** button.

IP Address: 10.10.255.252

Subnet Mask: 255.255.0.0

Default Gateway: 10.10.255.254

Important Note: The values listed above will allow your computer to connect to any controller that is still on its factory assigned 10.10.X.X IP address. If the IP address of the controller has been changed, you will need to look it up via the controller's variables menu and adjust your computer's static IP address settings appropriately. Usually, changing the last number of the IP address is sufficient (Ex. If the controller IP address is 192.168.1.15, you could set your computer to 192.168.1.252).

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💮 Obtain an IP address auto	matically
() Use the following IP addre	ISS:
IP address:	10 . 10 . 255 . 252
Subnet mask:	255.255.0.0
Default gateway:	10 , 10 , 255 , 254
Obtain DNS server address	s automatically
Ose the following DNS served as a served of the served	ver addresses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon exi	Advanced

Now close out of the Local Area Connections Properties window.

Networking Sharing Connect using:
Connect using:
Intel(R) 82578DC Gigabit Network Connection
Configure
This connection uses the following items:
Client for Microsoft Networks
✓ ➡ VMware Bridge Protocol
🗹 🚚 QoS Packet Scheduler
🗹 📇 File and Printer Sharing for Microsoft Networks
Internet Protocol Version 6 (TCP/IPv6)
Internet Protocol Version 4 (TCP/IPv4)
Link-Layer Topology Discovery Mapper I/O Driver
🗹 🛶 Link-Layer Topology Discovery Responder
Install Uninstall Properties
Description
Allows your computer to access resources on a Microsoft network.
Close Cancel

Note: If the computer will be hardwired to another network later, the process should be reversed to restore original settings.

You can now directly connect to the controller!



for Managing KE2 Therm Ethernet Controllers

Setting a Static IP address on Windows 2000, XP and 2003

1 Click on Start, Settings, Control Panel and press Enter.



2 Click on **Network Connections**, then press **Enter**, or double click on Network Connections.



3 Right-click on your Local Area Connection and select Properties

Note: If the controller is connected, the correct Local Area Connection should not have a red " \mathbf{x} "



Click on Internet Protocol (TCP/IP) and click on the Properties box*.

*Make sure you do not uncheck this box.



5 Input the information as shown in the screen and click OK

IP Address: 10.10.255.252 Subnet Mask: 255.255.0.0

Default Gateway: 10.10.255.254

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You can get IP settings assigned this capability. Otherwise, you no for the appropriate IP settings.	automatically if your network ed to ask your network adm	k supports inistrator
💮 Obtain an IP address autor	atically	
Use the following IP addres		
IP address:	10 . 10 . 255 . 25	52
Subnet mask:	255.255.0.0	0
Default gateway:	10 , 10 , 255 , 25	54
Obtain DNS server address	automatically	
Ose the following DNS serve	r addresses;	
Preferred DNS server:	· · · ·	
Alternate DNS server:		
Validate settings upon exit	Ad	vanced
Validate settings upon exit	Ad	vanced

Important Note: The values listed above will allow your computer to connect to any controller that is still on its factory assigned 10.10.X.X IP address. If the IP address of the controller has been changed, you will need to look it up via the controller's variables menu and adjust your computer's static IP address settings appropriately. Usually, changing the last number of the IP address is sufficient (Ex. If the controller IP address is 192.168.1.15, you could set your computer to 192.168.1.252)

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10

How to: Direct Connect to your KE2 Therm Controller

for Managing KE2 Therm Ethernet Controllers

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You should now be setup to run a Static IP Address.

Note: If the computer will be hardwired to another network later, the process should be reversed to restore original settings.

You can now directly connect to the controller!



for Managing KE2 Therm Ethernet Controllers

Setting a Static IP address on Windows Vista

Click on the Start Menu, right-click on Network, and select Properties.



2 The Network and Sharing Center opens...click on Manage network connections.



3 Right-click on your Local Area Connection and select Properties



Highlight Internet Protocol Version 4 (TCP/IPv4) then click the Properties button.

Local Area Connection Properties
Networking
Connect using:
Intel(R) PRO/1000 MT Network Connection
Configure
This connection uses the following items:
Client for Microsoft Networks
🗹 📮 QoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
Internet Protocol Version 6 (TCP7IFV6)
Internet Protocol Version 4 (TCP/IPv4)
Link Laver Topology Discovery Mapper I/O Driver
Link-Layer Topology Discovery Responder
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default
wide area network protocol that provides communication
across diverse interconnected networks.
UK Cancel

5 Now change the **IP address**, **Subnet mask**, **Default Gateway**, and DNS Server Addresses. When you're finished click **OK**.

IP Address: 10.10.255.252

Subnet Mask: 255.255.0.0

Default Gateway: 10.10.255.254



Important Note: The values listed above will allow your computer to connect to any controller that is still on its factory assigned 10.10.X.X IP address. If the IP address of the controller has been changed, you will need to look it up via the controller's variables menu and adjust your computer's static IP address settings appropriately. Usually, changing the last number of the IP address is sufficient (Ex. If the controller IP address is 192.168.1.15, you could set your computer to 192.168.1.252).

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How to: Direct Connect to your KE2 Therm Controller

for Managing KE2 Therm Ethernet Controllers

6 You'll need to close out of Local Area Connection Properties for the settings to go into effect.

Local Area Connection Properties
Networking
Connect using:
Intel(R) PRO/1000 MT Network Connection
Configure
This connection uses the following items:
Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Alter Protocol Version 6 (TCP/IPv6) Alternet Protocol Version 4 (TCP/IPv4) Alternet Protocol Version 4 (TCP/IPv4) Alternet Topology Discovery Mapper I/O Driver Alternet Topology Discovery Responder
Install Uninstall Properties Description Allows your computer to access resources on a Microsoft network.
Cancel

Open a web browser and type in the IP Address of the KE2 Evap Controller and press enter.

Note: If the computer will be hardwired to another network later, the process should be reversed to restore original settings.

You can now directly connect to the controller!

Browser Privacy Warnings

When connecting to the controller via its IP address, a privacy or security warning will likely appear in the browser. If the IP address of the controller is correct, depending on the browser, click "Advanced" or "Show Details" then "Proceed to..." / "Accept the Risk..." / "Continue to..." / "...visit this website" to continue to the controller webpage. It is generally not advisable to click past this warning, however, proceeding past this warning when connecting to the controller is safe.

Firefox Edge Warning: Potential Security Risk Ahead ted a potential security t to 10.1.0.91. If you visit th Your connection isn't private Attackers might be trying to steal your information from 10.1.0.91 (for What can you do about it? example, passwords, messages, or credit cards), NET::ERR_CERT_COMMON_NAME_INVALID Warning: Potential Security Risk Ahead refox detected a potential security threat and did not continue to 10.10.01. If you visit the te, attackers could try to steal information like your passwords, emails, or credit card What can you do shout it? Your connection isn't private re issue is most likely with the web in notify the website's administration Attackers might be trying to steal your information from 10.1.0.91 (for example, passwords, messages, or credit cards). NET:ERR_CERT_COMMON_NAME_INVALID Hide advanced Go back This server couldn't prove that it's 10.1.0.91; its security certificate is from ".oem.ke2.co. This may be caused by a misconfiguration or an na your connection.



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