

KETEMALP

OPTIONAL ETHERNET CARD (revision January 1, 2002)

The OCS controller can be equipped with an optional ETN100 Ethernet card. The ETN100 must go in the first card position. The ETN100 supports the standard GE Fanuc Series 90 TCP/IP protocol, also known as SRTP. The OCS controller acts as an SRTP server, and will send data to clients that request it. The GE Fanuc Ethernet Global Data (EGD) protocol is also available, however, a custom controller program must be developed to implement this protocol. The ETN100 also supports the standard TCP/IP ping protocol.





CARD SETUP

```
IP:000.000.000.000
PIP:000.000.000.000
```

This screen is located in the **ADVANCED SETUP** area. Use this screen to configure the optional Ethernet card. If your chiller does not have an Ethernet card, the settings on this

screen have no effect.

Set **IP** to the IP address that your network administrator has assigned to your chiller. After changing the IP address, you must cycle the power to the controller in order for the new IP to take effect. This controller cannot use DHCP to obtain its IP address, so you must assign an IP address to it.

To change the IP address, Use the  and  keys to move between the 4 IP address fields. When at the field you wish to change, press the  key, enter a new value from the keypad, and press  again when finished. The values for the IP fields range from **0** to **255**.

The default net mask for this chiller is 255.255.255.0, and the default gateway is 000.000.000.000. This means that the chiller will only be able to communicate with devices on its local subnet. Please check with your network administrator to see if these values are suitable for your network. If these values are not suitable for your network, please contact the factory. If the net mask and/or gateway IP must be changed, the controller program must be customized for your network. Due to a controller limitation, the net mask and gateway IP addresses can only be changed from the programming software.

You can use the ping protocol to test your network connection. Set **PIP** to the IP address of the device that you wish to ping. The **PIP** fields are set using the same procedure as the **IP** fields. You can then move to the **STATUS** screens to view the ping results. To stop the controller from pinging, change **PIP** to 000.000.000.000. Note: if **PIP** is any value other than 000.000.000.000, the controller will attempt to ping that address. Pinging increases the traffic on your network.

CARD STATUS

```
IP:000.000.000.000
S:000000 V:000163
```

This screen is located in the **STATUS** area. **IP** indicates the IP address assigned to the chiller. The **S** field indicates the status of the Ethernet card. This value is used by the factory to troubleshoot communication problems. The **V** field indicates the ETN100 firmware revision.

```
PIP:000.000.000.000
TIME:-0000001 msec
```

This screen is located in the **STATUS** area. **PIP** indicates the IP address that the controller is trying to ping. **TIME** indicates the return time in milliseconds for the ping packet.

If ping is disabled or if the ping destination IP cannot be reached, **TIME** will be -1 msec.

