# **CC200 BACnet/IP to E3**

## Configure the CC200 IP Address with the Full Touch Display

#### For BACnet IP Devices Connecting to an E3, Set the Following Parameters:

- IP address octet 1 (iP1)
- Rack id (rid)
- Circuit lineup id (Lid)
- Case id (Cid)
- MS/TP related parameters can be skipped

- 1. Unlock the Full Touch display by pressing and holding the upper right corner for 5 seconds. The display will beep and **PRG** and **SET** will become visible.
- 2. With the display unlocked, tap and hold PRG again for 3 seconds to reach the first menu level. PCL will be displayed. Tap PRG again to enter the CON menu level. From CON, tap PRG again to enter the communication protocol menu. Verify that biP is shown. If nrt is shown, swipe down on the display to change the parameter to biP then push and hold the PRG for 3 seconds to save the edit. CON is now displayed. Tap the back arrow in the upper left corner of the display. PCL is now displayed. Swipe from right to left and locate bAC.
- 3. From **bAC**, tap **PRG** again to enter the parameter menu, **ADr** will be displayed. Horizontally swipe from right to left to reach **iP1** parameter.
- 4. Tap **PRG** to enter edit mode on **iP1**. This screen has 3 digits set the first digit to 1, the second digit to 9 and the third one to 2 by swiping up/down to set **iP1** to **192**. Once **192** is selected, push and hold **PRG** for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to the **iP1** parameter label.
- 5. From **iP1**, horizontal swipe right to left to reach **rid** for Rack ID. Tap **PRG** to enter edit mode. Swipe up/down to select the rack ID, which is **A** for rack A, **B** for rack B, and so on. Rack ID is used in automatically setting the BACnet device ID and octet 2 of the IP address. Once selected, push and hold **PRG** for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to the **rid** parameter label.
- 6. From **rid**, horizontal swipe right to left to reach **Lid** for circuit lineup ID. This sets the refrigeration circuit ID, which is used for calculating BACnet device ID and octet 3 of the IP address. Tap **PRG** to enter edit mode. Swipe up/down to select the circuit number. Once selected, push and hold **PRG** for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to the **Lid** parameter label.
- 7. From Lid, horizontal swipe right to left to reach Cid for case id. This sets the case letter ID, which is used for calculating BACnet device ID and octet 4 of the IP address. Tap PRG to enter edit mode. Swipe up/down to select the case letter. Once selected, push and hold PRG for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to the Cid parameter label.



- 8. From **Cid** horizontal, swipe right to left to reach **CiL** for cases in lineup. This sets number of cases in the lineup including this device. For standalone/single case systems set to 1; for lineups set the number of cases in the lineup including this device. Tap **PRG** to enter edit mode. Swipe up/down to select the value. Once selected, push and hold **PRG** for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to the **CiL** parameter label.
- 9. From CiL swipe horizontally right to left to reach rtr. Ensure rtr is set to No.
- 10. Lastly, from **rtr** swipe from right to left to reach **Sav**. Tap **PRG** to enter edit mode. Swipe up/down to select **Yes**. Once **Yes** is selected, push and hold **PRG** for 3 seconds to save the edit. Once saved, the value will flash, display will beep and return to **Sav**. The CC200 will automatically reboot to initialize BACnet settings.

#### BACnet IP / E3 Configuration

#### Configure E3 Network Settings

- 1. Log into the E3 with your credentials.
- 2. Click the gear icon to access the Main Menu.
- 3. Select System and click General System Settings.
- 4. Select the Network Settings tab, then select the ETH 1 tab.
- 5. On the top right of the screen, click Advanced.

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General System Settings				Advanced	Save
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* ETH 1 IP Address	192.168.1.250	0			
ETH 1 Subnet Mask	255.255.255.0	0			
ETH 1 MAC Address	00:0A-F6-20:00:11	0			
Copyright 2024 © Copeland LP 1 users logged into system			E3 RRRR SI 11/20/202	R 11: E3 Un 24 09:36:02	M ← 0-0

- 6. Change the ETH 1 Subnet Mask to 255.0.0.0
- 7. Change the PIB Network Setting Subnet Mask to 255.0.0.0
- 8. From the top right of the screen click **Save**.
- 9. After saving, click **OK** on the pop-up window to confirm the changes.

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### Add a CC200 Case Controller to E3

- 1. Click the Control Inventory icon.
- 2. Click Add Control and select CC200 BACnet.
- 3. Select BACnet IP-ETH1 from the Port ID drop-down for BACnet protocol.
- 4. The E3 should automatically scan for and detect BACnet IP devices on ETH1.
- 5. To start a manual scan, click the circle arrow button on the right side of the screen.

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	tu) 🗖	Name ≑	Туре ≑	Protocol 🜻	Port ID 单	Address #	Revision 单	Association	
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dd Control	~	Select	BACnet IP-ETH1	-	BACnet IP-ETH0 BACnet IP-ETH1		Manu	ally Rescan for BA devices	Cnet
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o Other (0)		Name ≑	Type ≑	Protocol 🗘	BACILIC MISTING	Address ‡	Revision ≑	Association	
🗇 System (6)		Name ≑	Туре ≑	Protocol 🖨	Port ID ≑	Address 🗘	Revision 🖨	Association	

- 6. From the drop-down select the address for this CC200 case controller.
- 7. Then click the checkbox to save.

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