SERVICE BULLETIN

Title: **CCN Network Addressing of 19/23XL Chiller PIC**
Models Affected: **19XL/23XL**

Number: **C9211**
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Purpose:

The purpose of this bulletin is to provide a suggested method of selecting addresses for the 19XL and 23XL chillers when they are part of a CCN network.

File: Network Addressing

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Background:

19XL centrifugal chillers and 23XL screw chillers use PIC controls. These controls can be connected with other devices via the CCN network (COMM1 on the PIC). Each device (PIC control, Building Supervisor, FID, LID, etc.) on the network must have a unique network address for proper network operation.

19/23XLs also have a factory installed LID (Local Interface Device). The LID communicates with the PIC on the CCN network.

Both the chiller PIC and the LID have factory default addresses:

DEVICE	BUS NUMBER	ADDRESS
19/23XL	0	90
LID	0	230

Recommendations:

When a chiller is attached to a CCN network, both the PIC address and the LID address should be changed from the default address to a different address. The recommended address range for these devices is:

DEVICE	ADDRESS RANGE
19/23XL PIC	91 - 99
LID	231 - 239

The addressing should be in pairs (e.g. chiller #1, PIC Address = 91, LID address = 231; chiller #2, PIC Address = 92, LID Address = 232).

The bus number will be either 0 for installations without a bridge, or will be the same as the bridge address if the chiller is on the bridge secondary bus.

It is strongly recommended that none of these devices remain at the factory default address (PIC =90; LID = 230). This will be helpful if a replacement module is installed. The replacement module will be set to the factory default address when it is received from RCD. If it is installed prior to changing the address, and another PIC is at the default address, then two PICs would be at the same address and the network would not operate properly.