

APPLICATION NOTES

**Application Note 3003:
CMCN BACnet Points List**

BACnet™ Object ID = Object Type + Instance Number BACnet™ Instance Numbers

XX XX XX

1st two digits: 01-50, 99
identifies the BAC-HD150
(most often "01")

2nd two digits: 01-50, 99
identifies the group#

Final two digits: 01 – 99
identifies the control point

Control item	Object type	Instance number	Unit					Notes
			Inactive	Active				
			Text-1	Text-2	Text-3	Text-4	Text-5	
On Off Setup	BO	xxxx01	Stop	Run				
On Off State	BI	xxxx02	Stop	Run				
Alarm Signal	BI	xxxx03	Normal	Error				
Error Code	MI	xxxx04	Normal	01: Normal 02: Other errors 03: Refrigeration system fault 04: Water system error 05: Air system error	06: Electronic system error 07: Sensor fault 08: Communication error 09: System error			
Operational Mode Setup	MO	xxxx05	Cooling	Heating	Fan	Auto	Dry	
Operational Mode State	MI	xxxx06	Cooling	Heating	Fan		Dry	
Fan Speed Setup	MO	xxxx07	Low	High	Mid 2	Mid 1		
Fan Speed State	MI	xxxx08	Low	High	Mid 2	Mid 1		
Room Temp [Water Temp]	AI	xxxx09	°F/°C					
Set Temp [Set Water Temp]	AV	xxxx10	°F/°C					
Filter Sign [Circulating Water Exchange Sign]	BI	xxxx11	OFF	ON				
Filter Sign Reset [Circulating Water Exchange Sign Reset]	BV	xxxx12	Reset	Void				
Prohibition On Off	BV	xxxx13	Permit	Prohibit				
Prohibition Mode	BV	xxxx14	Permit	Prohibit				
Prohibition Filter Sign Reset [Prohibition Circulating Water Exchange Sign Reset]	BV	xxxx15	Permit	Prohibit				
Prohibition Set Temperature	BV	xxxx16	Permit	Prohibit				
M-NET Communication State	BI	xxxx20	Normal	Error				
System Forced Off	BV	xxxx21 999921	Reset	Execute				
Air Direction Setup	MO	xxxx22	Horizontal	Downblow 60%	Downblow 80%	Downblow 100%	Swing	
Air Direction State	MI	xxxx23	Horizontal	Downblow 60%	Downblow 80%	Downblow 100%	Swing	
Ventilation Mode Setup	MO	xxxx35	Heat exchange	Bypass	Auto			
Ventilation Mode State	MI	xxxx36	Heat exchange	Bypass	Auto			
Air To Water Mode Setup	MO	xxxx37	Heating	Heating ECO	Hot Water	Antifreeze	Cooling	
Air To Water Mode State	MI	xxxx38	Heating	Heating ECO	Hot Water	Antifreeze	Cooling	
Expansion Controller Communication State	BI	xx9981	Normal	Error				

Figure 1. BACnet Points List

Figure 1 illustrates the BACnet Points List for each control item.