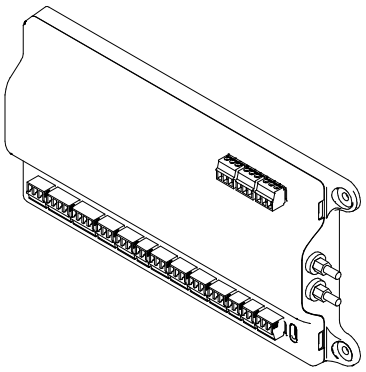
Pace™ - Critical Space Controller

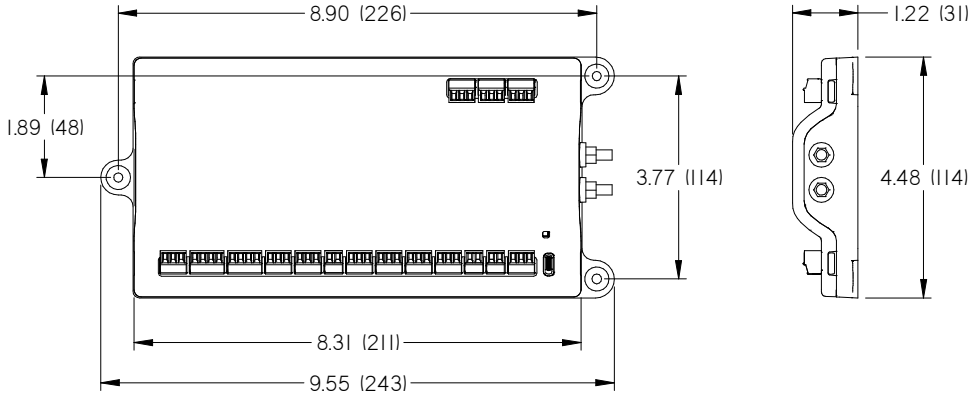
Product Submittal

270117
Rev. P
2022/11/18

PACE SPECIFICATIONS:		
ENVIRONMENTAL (OPERATING)	32ºF to 130ºF (0ºC to 55ºC), 5% to 95% R.H.(NON-CONDENSING)	
ENVIRONMENTAL (STORAGE)	-22ºF to 158ºF (-30ºC to 70ºC), 0% to 95% R.H.(NON-CONDENSING)	
INPUT POWER	24 VAC, 50/60 Hz SINGLE PHASE, 75 VA MAX (18 VA EXCLUDING EXTERNAL LOADS), CLASS 2 or LPS PELV	
INPUTS	2 BINARY INPUTS (CONTACT CLOSURE), 4 ANALOG INPUTS (0 to 10 VDC), 2 10K TYPE 2 THERMISTORS INPUTS, ROOM INFORMATION NETWORK, 2 POT INPUTS, 2 RS485 NETWORK (BACNET, SIN, FHN), 1 TRANSDUCER (VV: 0-4 in.w.c., VFX: 0-2 in.w.c.)	
OUTPUTS	2 ACTIVE BINARY OUTPUTS (24 VAC, MAX: 500 mA), 4 ANALOG OUTPUTS (0 to 10 VDC, MAX:10 mA), 1 SIN POWER OUTPUT (34 VDC, MAX: 300mA)	
INDICATORS	STATUS LED	
HOUSING	UL 94 V-0, PC-ABS PLASTIC	
RATED IMPULSE VOLTAGE	330 V (AFTER TRANSFORMER)	
COMMUNICATION PROTOCOL	BACNET MS/TP	
BACNET	DEVICE TYPE	B-AAC
	COMMUNICATION TYPE	MS/TP (RS-485)
	COMMUNICATION SPEED	9600, 19200, 38400, 76800
	CERTIFICATION	BTL
	CONTROL PRIORITY ORDER	1. ANTEC TOOLBOX 2. BACNET 3. NORMAL OPERATION



DIMENSIONS:



AIRFLOW DEVICE TYPE:

☐ VENTURI VALVE (VV)
PRESSURE SENSOR 0 to 4.0 in.w.c. (0 to 1000 Pa)

☐ VENTURI FX (VFX) OR TERMINAL (TU)
PRESSURE SENSOR 0 to 2.0 in.w.c. (0 to 500 Pa)

NOTE: PLEASE REFER TO PACE MANUAL FOR INSTALLATION INSTRUCTIONS. SEE PROJECT SUBMITTAL SCHEDULE FOR SELECTED OPTIONS.
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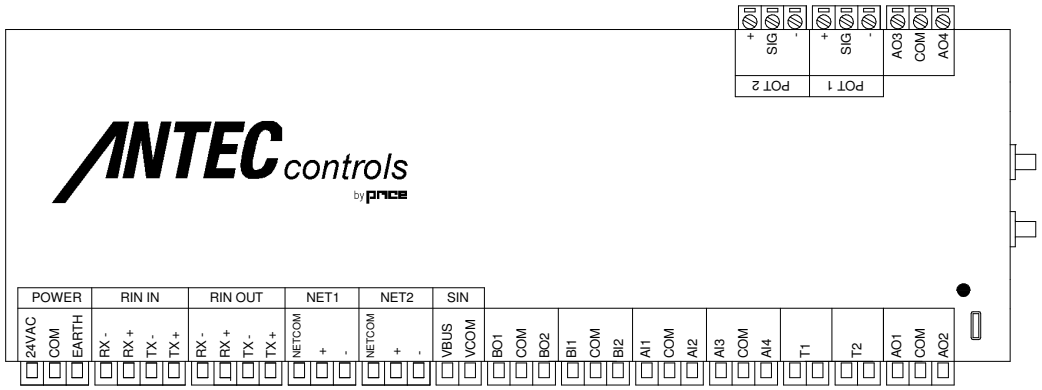
TERMINATION:



POWER	24VAC	INPUT POWER, HOT
	COM	INPUT POWER, GROUND
	EARTH	INPUT POWER, EARTH
RIN IN	RX -	ROOM INFORMATION NETWORK IN
	RX +	
	TX -	
	TX +	
RIN OUT	RX -	ROOM INFORMATION NETWORK OUT
	RX +	
	TX -	
	TX +	
NET 1	NETCOM	BACNET COM, SIN COM, FHN COM
	+	BACNET +, SIN +, FHN +
	-	BACNET -, SIN -, FHN -
NET 2	NETCOM	BACNET COM, SIN COM, FHN COM
	+	BACNET +, SIN +, FHN +
	-	BACNET -, SIN -, FHN -
SIN	VBUS	SIN POWER
	VCOM	SIN GROUND
BINARY OUTPUTS	BO1	BINARY OUTPUT 1
	COM	BINARY OUTPUT GROUND
	BO2	BINARY OUTPUT 2

BINARY INPUTS	BI1	BINARY INPUT 1
	COM	BINARY INPUT GROUND
	BI2	BINARY INPUT 2
ANALOG INPUTS	AI1	ANALOG INPUT 1
	COM	ANALOG INPUT GROUND
	AI2	ANALOG INPUT 2
	AI3	ANALOG INPUT 3
	COM	ANALOG INPUT GROUND
	AI4	ANALOG INPUT 4
THERMISTOR INPUTS	T1	THERMISTOR INPUT 1
	T2	THERMISTOR INPUT 2
ANALOG OUTPUTS	AO1	ANALOG OUTPUT 1
	COM	ANALOG OUTPUT GROUND
	AO2	ANALOG OUTPUT 2
	AO4	ANALOG OUTPUT 4
	COM	ANALOG OUTPUT GROUND
	AO3	ANALOG OUTPUT 3
POT 1	-	POTENTIOMETER FEEDBACK GROUND
	SIG	POTENTIOMETER FEEDBACK SIGNAL
	+	POTENTIOMETER FEEDBACK POWER
POT 2	-	POTENTIOMETER FEEDBACK GROUND
	SIG	POTENTIOMETER FEEDBACK SIGNAL
	+	POTENTIOMETER FEEDBACK POWER

MOUNT:

☐ AIRFLOW DEVICE MOUNTED (DEFAULT)

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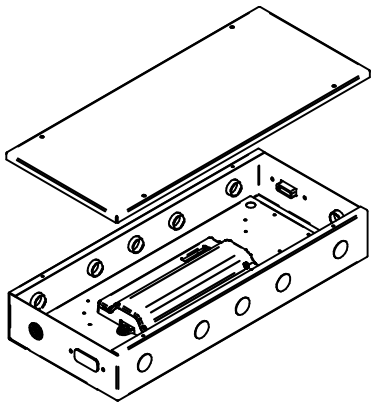
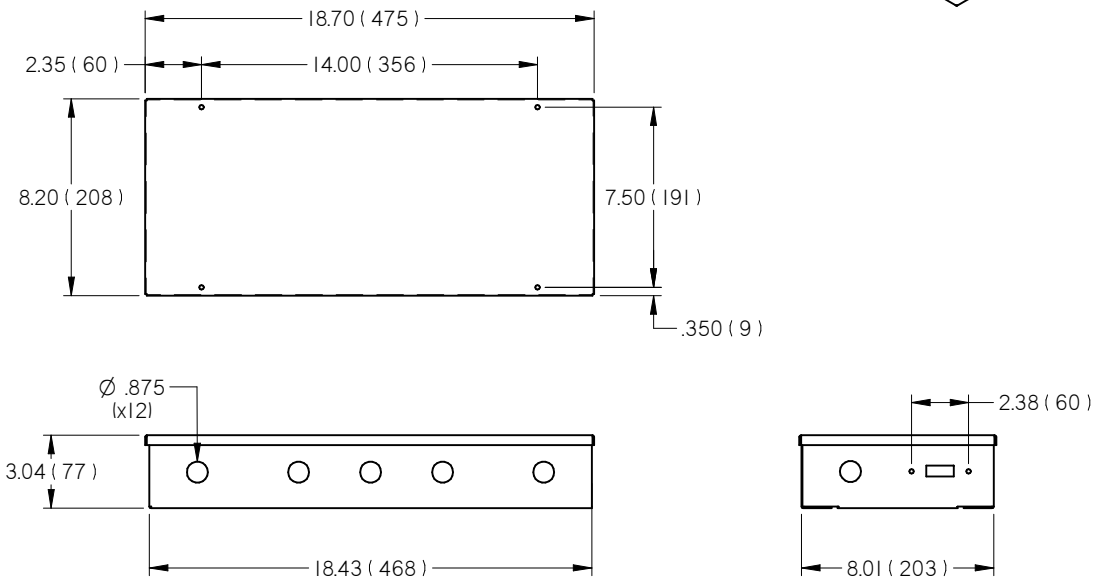
☐ PANEL MOUNTED (PM)

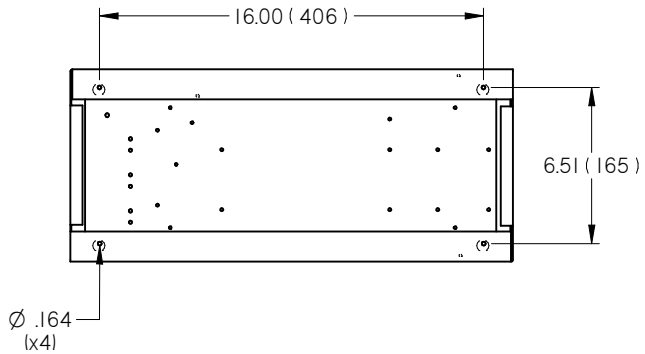


SPECIFICATIONS:	
MATERIAL	22 Ga GALV. STEEL
MOUNT	WALL MOUNT
KNOCKOUTS	12 x .875in, FOR 0.5in TRADE SIZE CONDUIT

DIMENSIONS:



MOUNTING DETAILS:



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BACNET POINTS LIST v2.0.0 OR NEWER					
Object	**Name**	**Units**	**Range**	**Description**	**Write Setting**
ANALOG INPUTS					
Note: Analog input AI1 will display as AI11 for Controller 1, AI21 for Controller 2, etc.					
AI#1	[Controller name] AI1 – [AI1 Device name]	Dynamic	Dynamic	Analog Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
AI#2	[Controller name] AI2 – [AI2 Device name]	Dynamic	Dynamic	Analog Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
AI#3	[Controller name] AI3 – [AI3 Device name]	Dynamic	Dynamic	Analog Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
AI#4	[Controller name] AI4 – [AI4 Device name]	Dynamic	Dynamic	Analog Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
AI#5	[Controller name] T1 – [T1 Device name]	°F or °C	-40 to 250 °F (-40 to 121 °C)	Thermistor reading	R
AI#6	[Controller name] T2 – [T2 Device name]	°F or °C	-40 to 250 °F (-40 to 121 °C)	Thermistor reading	R
BINARY INPUTS					
Note: Binary input BI1 will display as BI11 for Controller 1, BI21 for Controller 2, etc.					
BI#1	[Controller name] BI1 – [BI1 Device name]	Open/Closed	Open/Closed	Binary Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
BI#2	[Controller name] BI2 – [BI2 Device name]	Open/Closed	Open/Closed	Binary Input with multiple uses See *Input* section of the Antec Toolbox manual for options	R
BI#3	[Controller name] BI3 – [BI1 Device name]	Open/Closed	Open/Closed	Binary Input with multiple uses See *Input* section of the Antec Toolbox manual for options *Hidden when controller is not a Cava™*	R
BI#4	[Controller name] BI4 – [BI2 Device name]	Open/Closed	Open/Closed	Binary Input with multiple uses See *Input* section of the Antec Toolbox manual for options *Hidden when controller is not a Cava™*	R
ANALOG OUTPUTS					
Note: Analog output AO1 will display as AO11 for Controller 1, AO21 for Controller 2, etc.					
AO#1	[Controller name] AO1 – [AO1 Device name]	VDC	0 to 10	Analog Output with multiple uses See *Output* section of the Antec Toolbox manual for options	R/W
AO#2	[Controller name] AO2 – [AO2 Device name]	VDC	0 to 10	Analog Output with multiple uses See *Output* section of the Antec Toolbox manual for options	R/W
AO#3	[Controller name] AO3 – [AO3 Device name]	VDC	0 to 10	Analog Output with multiple uses See *Output* section of the Antec Toolbox manual for options	R/W
AO#4	[Controller name] AO4 – [AO4 Device name]	VDC	0 to 10	Analog Output with multiple uses See *Output* section of the Antec Toolbox manual for options	R/W
BINARY OUTPUTS					
Note: Analog output BO1 will display as BO11 for Controller 1, BO21 for Controller 2, etc.					
BO#1	[Controller name] BO1 – [BO1 Device name]	Active/Inactive	Active/Inactive	Binary Output with multiple uses See *Output* section of the Antec Toolbox manual for options	R/W
BO#2	[Controller name] BO2 – [BO2 Device name]	Active/Inactive	Active/Inactive	Binary Output with multiple uses See *Output* section of theAntec Toolbox manual for options	R/W
ANALOG VALUE					
AV1	Room Pressure Setpoint	in.w.c.; Pa	-5.0 to 5.0 in.w.c. (-1245 to 1245 Pa)	Current room pressure setpoint *Hidden when pressure control not used*	R/W
AV2	Room Pressure	in.w.c.; Pa	-5.0 to 5.0 in.w.c. (-1245 to 1245 Pa)	Current room pressure	R
AV3	Room Pressure Low Alarm	in.w.c.; Pa	-5.0 to 5.0 in.w.c. (-1245 to 1245 Pa)	Low room pressure alarm setpoint (+/-)	R/W
AV4	Room Pressure High Alarm	in.w.c.; Pa	-5.0 to 5.0 in.w.c. (-1245 to 1245 Pa)	High room pressure alarm setpoint (+/-)	R/W
AV5	Airflow Offset Setpoint	CFM; L/s	-50000 to 50000 CFM (-23600 to 23600 L/s)	Current airflow offset setpoint *Hidden when offset control not used*	R/W

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BACNET POINTS LIST v2.0.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Setting
ANALOG VALUE					
AV6	Airflow Offset Actual	CFM; L/s	-50000 to 50000 CFM (-23600 to 23600 L/s)	Current airflow offset (+/-) *When overriding the offset, it must be a positive value for positively pressurized rooms and a negative value for negatively pressurized rooms*	R
AV7	Total Exhaust Airflow Target	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Total room exhaust airflow target	R
AV8	Total Exhaust Airflow Actual	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Total room exhaust airflow	R
AV9	Total Supply Airflow Target	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Total room supply airflow target	R
AV10	Total Supply Airflow Actual	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Total room supply airflow	R
AV11	Total Fume Hood Exhaust	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Total fume hood exhaust airflow *Hidden if no fume hoods connected*	R
AV12	Room Volume	ft^3; m^3	0 to 100000000 ft^3 (0 to 2831685 m^3)	Room volume	R/W
AV13	Current Air Change Rate	#	0.0 to 100.0	Current air change rate	R
AV14	Temperature Setpoint - Zone 1	°F;°C	-40 to 250 °F (-40 to 121 °C)	Temperature setpoint in zone 1 *Hidden if there are no temperature zones*	R/W
AV15	Temperature Reading - Zone 1	°F;°C	-40 to 250 °F (-40 to 121 °C)	Current temperature in zone 1	R
AV16	Temperature Setpoint - Zone 2	°F;°C	-40 to 250 °F (-40 to 121 °C)	Temperature setpoint in zone 2 *Hidden if multiple zones have not been configured*	R/W
AV17	Temperature Reading - Zone 2	°F;°C	-40 to 250 °F (-40 to 121 °C)	Current temperature in zone 2 *Hidden if multiple zones have not been configured*	R
AV18	Temperature Setpoint - Zone 3	°F;°C	-40 to 250 °F (-40 to 121 °C)	Temperature setpoint in Zone 3 *Hidden if multiple zones have not been configured*	R/W
AV19	Temperature Reading - Zone 3	°F;°C	-40 to 250 °F (-40 to 121 °C)	Current Temperature in zone 3 *Hidden if multiple zones have not been configured*	R
AV20	Room Temperature Setpoint - Low Limit	°F;°C	-40 to 250 °F (-40 to 121 °C)	Lowest user-adjustable temperature setpoint on the thermostat	R/W
AV21	Room Temperature Setpoint - High Limit	°F;°C	-40 to 250 °F (-40 to 121 °C)	Highest user-adjustable temperature setpoint on the thermostat	R/W
AV22	DAT Low Limit	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge air temperature low temperature limit *Hidden if DAT limits are not enabled*	R/W
AV23	DAT High Limit	°F; °C	-40 to 250 °F (-40 to 121 °C)	Discharge air temperature high temperature limit *Hidden if DAT limits are not enabled*	R/W
AV24	Supply Airflow Setpoint	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Supply airflow setpoint *Hidden if Supply airflow control not used*	R/W
AV25	Supply Airflow Actual	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Supply airflow *Hidden if Supply airflow control not used*	R
AV26	Temperature Load - Zone 1	%	-100% to 100%	Temperature load in Zone 1 *Hidden if there are no temperature zones*	R
AV27	Temperature Load - Zone 2	%	-100% to 100%	Temperature load in Zone 2 *Hidden if multiple zones have not been configured*	R
AV28	Temperature Load - Zone 3	%	-100% to 100%	Temperature load in Zone 3 *Hidden if multiple zones have not been configured*	R

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BACNET POINTS LIST v2.0.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Setting
AV29	Exhaust Airflow Setpoint	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Exhaust airflow setpoint *Hidden if Exhaust airflow control not used*	R/W
AV30	Exhaust Airflow Actual	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Exhaust airflow *Hidden if Exhaust airflow control not used*	R
AV31	Temperature Deadband	°F;°C	0 to 200 °F (0 to 111 °C)	Current temperature control deadband	R/W
AV81	[Mode name #1] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the default room mode	R/W
AV82	[Mode name #1] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the default room mode	R/W
AV83	[Mode name #1] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the default room mode	R/W
AV84	[Mode name #2] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the second room mode *Hidden if using using less than 2 room modes*	R/W
AV85	[Mode name #2] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the second room mode *Hidden if using using less than 2 room modes*	R/W
AV86	[Mode name #2] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the second room mode *Hidden if using using less than 2 room modes*	R/W
AV87	[Mode name #3] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the third room mode *Hidden if using using less than 3 room modes*	R/W
AV88	[Mode name #3] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the third room mode *Hidden if using using less than 3 room modes*	R/W
AV89	[Mode name #3] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the third room mode *Hidden if using using less than 3 room modes*	R/W
AV90	[Mode name #4] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the fourth room mode *Hidden if using using less than 4 room modes*	R/W
AV91	[Mode name #4] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the fourth room mode *Hidden if using using less than 4 room modes*	R/W
AV92	[Mode name #4] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the fourth room mode *Hidden if using using less than 4 room modes*	R/W
AV93	[Mode name #5] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the fifth room mode *Hidden if using using less than 5 room modes*	R/W
AV94	[Mode name #5] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the fifth room mode *Hidden if using using less than 5 room modes*	R/W
AV95	[Mode name #5] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the fifth room mode *Hidden if using using less than 5 room modes*	R/W
AV96	[Mode name #6] - Room Min	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow minimum for the sixth room mode *Hidden if using using less than 6 room modes*	R/W
AV97	[Mode name #6] - Room Heating Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow heating maximum for the sixth room mode *Hidden if using using less than 6 room modes*	R/W
AV98	[Mode name #6] - Room Cooling Max	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Room flow cooling maximum for the sixth room mode *Hidden if using using less than 6 room modes*	R/W

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BACNET POINTS LIST v2.0.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Setting
Note: Analog value AV#01 will display as AV101 for Controller 1, AV201 for Controller 2, etc.					
AV#01	[Controller name] Flow - [POT1 Device name]	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	POT1 airflow reading *Hidden when POT1 is not used*	R
AV#02	[Controller name] Flow - [POT2 Device name]	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	POT2 airflow reading *Hidden when POT2 is not used*	R
AV#03	[Controller name] - Valve Pressure	in.w.c.; Pa	-5.0 to 5.0 in.w.c. (-1245 to 1245 Pa)	Valve Pressure *Hidden when device type is not VV*	R
AV#04	[Controller name] Flow - [Transducer Device name]	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Transducer airflow reading *Hidden when airflow source is not transducer*	R
AV#05	[Controller name] AI1 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for AI1 *Hidden when DAT control is not enabled*	R/W
AV#06	[Controller name] AI2 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for AI2 *Hidden when DAT control is not enabled*	R/W
AV#07	[Controller name] AI3 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for AI3 *Hidden when DAT control is not enabled*	R/W
AV#08	[Controller name] AI4 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for AI4 *Hidden when DAT control is not enabled*	R/W
AV#09	[Controller name] T1 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for T1 *Hidden when DAT control is not enabled*	R/W
AV#10	[Controller name] T2 - DAT Setpoint	°F;°C	-40 to 250 °F (-40 to 121 °C)	Discharge Air Temperature Setpoint for T2 *Hidden when DAT control is not enabled*	R/W
AV#15	[Controller name] Face Velocity	FPM; m/s	0 to 1000 FPM (0 to 5.08 m/s)	Displays the current face velocity across the fume hood *Hidden when controller is not a Cava™*	R
MULTISTATE VALUE					
MV1	Airflow Control Sequence	Text	3 states	Displays the current airflow control sequence 1 - Constant Flow Control 2 - Pressure Control 3 - Offset Control	R
MV2	Room Pressure Mode	Text	2 states	Displays the current room pressure mode 1 - Positive 2 - Negative	R

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Object	Name	Units	Range	Description	Write Setting
MULTISTATE VALUE					
MV3	Room Alarm Status	Text	13 states	Displays the current room alarm status 1 - Controller Not Responding 2 - Missing Room Pressure Sensor 3 - Diversity 4 - Binary Input 5 - Mode Alarm 6 - Door Open 7 - Room Low Pressure 8 - Room High Pressure 9 - Low Airflow 10 - Low Valve Pressure 11 - High Airflow 12 - High Valve Pressure 13 - No Alarm	R
MV4	Room Mode	Text	6 states	Displays the current room mode 1 - [Room Mode 1 Name] 2 - [Room Mode 2 Name] 3 - [Room Mode 3 Name] 4 - [Room Mode 4 Name] 5 - [Room Mode 5 Name] 6 - [Room Mode 6 Name]	R/W
MV5	Room Mode Override	Text	6 states	Displays the current room mode override 1 - [Room Mode 1 Name] 2 - [Room Mode 2 Name] 3 - [Room Mode 3 Name] 4 - [Room Mode 4 Name] 5 - [Room Mode 5 Name] 6 - [Room Mode 6 Name]	R/W
MV99	Firmware Update Status	Text	4 states	Displays the current firmware update status 1 - Idle 2 - Start Firmware Update 3 - Updating Firmware 4 - Firmware Update Failed	R/W
Note: Multistate value MV#3 will display as MV13 for Controller 1, MV23 for Controller 2, etc...					
MV#3	[Controller Name] Status	Text	12 States	Displays the current room alarm status 1 - CANbus Device Not Responding 2 - Sash Missing/Broken 3 - Sash Height Low 4 - Sash Height High 5 - Face Velocity Low 6 - Face Velocity High 7 - Valve Pressure Low 8 - Valve Pressure High 9 - Valve Airflow Low 10 - Valve Aiflow High 11 - Fume Hood Mode 12 - No Alarm *Hidden when controller is not a Cava™*	R
MV#4	[Controller Name] Hood Mode	Text	4 States	Displays the current hood mode 1 - [Hood Mode 1 Name] 2 - [Hood Mode 2 Name] 3 - [Hood Mode 3 Name] 4 - [Hood Mode 4 Name] *Hidden when controller is not a Cava™*	R/W
MV#5	[Controller Name] Hood Mode Override	Text	4 States	Displays the current hood mode override 1 - [Hood Mode 1 Name] 2 - [Hood Mode 2 Name] 3 - [Hood Mode 3 Name] 4 - [Hood Mode 4 Name] *Hidden when controller is not a Cava™*	R/W

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Object	**Name**	**Units**	**Range**	**Description**	**Write Setting**
FILE					
FIL1	Firmware	-	-	The file object used for firmware upgrades - feature only available if supported by BAS	W
CALENDAR					
CAL1	Calendar Object	-	-	The calendar object used for scheduling	R/W
NOTIFICATION CLASS					
EVC1	Notification Class object	-	-	The notification class object for alarming	R/W
SCHEDULE					
SCH1	Room Mode Schedule	-	-	The scheduling object for scheduling room mode changes	R/W

NOTE: THE BACNET POINT NAMES CAN BE OVERRIDDEN USING ANTEC TOOLBOX AND MAY NOT MATCH THE NAMES LISTED IN THIS TABLE. THE INSTANCE NUMBERS CAN BE USED IN THIS CASE TO IDENTIFY THE POINTS.

DEFAULT CHANGE OF VALUE (COV) INCREMENTS				
VARIABLE	**DEFAULT COV INCREMENT**	**UNITS**	**DEFAULT COV INCREMENT**	**UNITS**
-	**IMPERIAL**		**METRIC**	
Airflow	50	CFM	24	L/s
Offset	20	CFM	9	L/s
Actuator	0.001	V	0.001	V
Heating	0.001	V	0.001	V
Pressure	0.001	in.w.c.	0.25	Pa
Valve Pressure	0.2	in.w.c.	49.8	Pa
ACH	1	ACH	1	ACH
CO2	100	ppm	100	ppm
Face Velocity	10	FPM	0.51	m/s
Humidity	1	%	1	%
Position	1	%	1	%
Room Volume	100	ft^3	2.83	m^3
Temperature	0.5	°F	0.3	°C
Temperature Load	0.1	%	0.1	%
VOC	100	ppm	100	ppm
Voltage	0.05	V	0.05	V

NOTE: PLEASE REFER TO PACE MANUAL FOR INSTALLATION INSTRUCTIONS. SEE PROJECT SUBMITTAL SCHEDULE FOR SELECTED OPTIONS.
ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST VALUE.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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BACNET POINTS LIST v2.0.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Setting
Fume Hood Controller (FHC) BACnet points - Legacy Controls					
ANALOG VALUE					
Note: Analog value AV#11 will display as AV111 for Fume Hood Controller (FHC) 1, AV211 for Fume Hood Controller (FHC) 2, etc.					
AV#11	Fume Hood # Airflow	CFM; L/s	0 to 50000 CFM (0 to 23600 L/s)	Displays the current airflow being exhausted from the fume hood	R
AV#12	Fume Hood # Face Velocity	FPM; m/s	0 to 1000 FPM (0 to 5.08 m/s)	Displays the current face velocity across the fume hood	R
AV#13	Fume Hood # Sash Position	%	0 to 100	Displays the current position of the sash on the fume hood	R
AV#14	Fume Hood # Valve Pressure	in.w .c.; Pa	-5.0 to 5.0 in.w .c. (-1245 to 1245 Pa)	Displays the current pressure across the valve on the fume hood	R
MULTISTATE VALUE					
Note: Multistate value MV#1 will display as MV11 for Fume Hood Controller (FHC) 1, MV21 for Fume Hood Controller (FHC) 2, etc…					
MV#1	Fume Hood # Status	Text	6 states	Displays the status of the fume hoods 1 - Missing FHC 2 - Normal 3 - Caution 4 - Alarm 5 - Setback 6 - Off	R
MV#2	Fume Hood # Error Type	Text	21 states	Displays the cause of any alarms or cautions on the fume hoods 1 - No Error 2 - Emergency 3 - Network 4 - Contact Input 5 - No Primary Sensor 6 - No Sec. Sensor 7 - No Sash1 8 - No Sash2 9 - No Sash 3 10 - Low Velocity 11 - High Velocity 12 - Low Pressure 13 - High Pressure 14 - Venturi Out of Range 15 - Sash Height 16 - Low Airflow 17 - High Airflow 18 - Sash Broken 19 - BI1 20 - BI2 21 - Setback Sash Height	R

NOTE: PLEASE REFER TO PACE MANUAL FOR INSTALLATION INSTRUCTIONS. SEE PROJECT SUBMITTAL SCHEDULE FOR SELECTED OPTIONS.
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