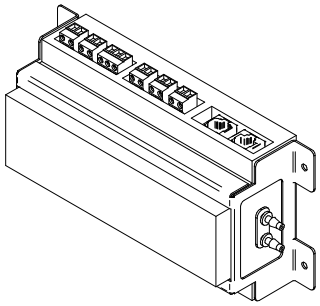
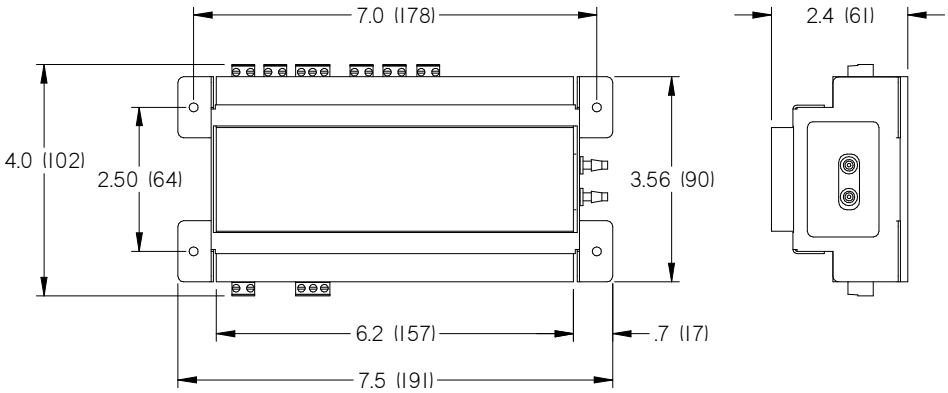
FHC SPECIFICATIONS:		
ENVIRONMENTAL (OPERATING)	50ºF to 122ºF (10ºC to 50ºC), 5% to 95% R.H.(NON-CONDENSING)	
ENVIRONMENTAL (STORAGE)	-22ºF to 122ºF (-30ºC to 50ºC), 0% to 95% R.H.(NON-CONDENSING)	
INPUT POWER	24 VAC +/- 10%, 50/60 Hz, 40 VA (EXTERNAL LOADS NOT INCLUDED), CLASS 2	
INPUTS	2 BINARY INPUTS, 2 SIDEWALL SENSOR INPUTS, 3 SASH POSITION SENSOR INPUTS	
OUTPUTS	2 ANALOG OUTPUTS (0 to 10 VDC, MAX:10 mA), 1 BINARY OUTPUT (DRY CONTACT), 2 BINARY OUTPUTS (MAX: 24 VAC, 500 mA)	
INDICATORS	STATUS LEDs	
HOUSING	UL 94V - 0, ABS PLASTIC	
COMMUNICATION PROTOCOL	FHN (FUME HOOD NETWORK), BACNET (*ONLY WHEN FHN NOT USED)	
BACNET	DEVICE TYPE	B-ASC
	COMMUNICATION TYPE	MS/TP (RS-485)
	COMMUNICATION SPEED	9600, 19200, 38400, 76800
	CERTIFICATION	BTL
	CONTROL PRIORITY ORDER	1. BACNET 2. NORMAL OPERATION



DIMENSIONS:



AIRFLOW DEVICE TYPE:

☐ VENTURI VALVE (VV)
PRESSURE SENSOR 0 to 5.0 in.w.c. (0 to 1250 Pa)

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

MOUNT:

☐ AIRFLOW DEVICE MOUNTED (DEFAULT)

☐ PANEL MOUNTED (PM)

NOTE: PLEASE REFER TO FHC 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 MILLIMETER.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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BACNET POINTS LIST v1.6.0 OR NEWER

Object	Name	Units	Range	Description	Write Setting
ANALOG INPUTS					
AI1	Face Velocity	FPM	0-1500	The velocity of the air through the open area of the fumehood.	R
AI2	Valve Airflow	CFM	0-9999	The volume of airflow being exhausted through the fumehood.	R
AI3	Valve Static Pressure	in.w.c.	0 to 5	Differential pressure across the fumehood venturi valve.	R
AI4	Sash Height	in.	0.1-120	The height of the sash from the working table of the fumehood.	R
BINARY INPUTS					
BI1	Binary Input 1 - [usage]	-	Open/Closed	Binary Input with multiple usages. See *Input* section of FHC manual for options.	R
BI2	Binary Input 2 - [usage]	-	Open/Closed		R
ANALOG OUTPUTS					
AO1	Analog Output 1	VDC	0-10	Analog Outputs with multiple usages. See *Output* section of FHC manual for options.	R/W
AO2	Analog Output 2	VDC	0-10		R/W
BINARY OUTPUTS					
BO1	Binary Output 1	-	On/Off	Binary Outputs with multiple usages. See *Output* section of FHC manual for options.	R/W
BO2	Binary Output 2	-	On/Off		R/W
BO3	Binary Output 3	-	On/Off		R/W
ANALOG VALUE					
AV1	Current Velocity Setpoint	FPM	0-9999	The current face velocity target for the fumehood. The FHC will modulate the exhaust valve to maintain this face velocity setpoint.	R
AV2	Sash Face Velocity	FPM	0-9999	The current face velocity calculated by the sash sensor. This value is calculated using the open area of the sash and the volume of air being exhausted from the fumehood.	R
AV3	Sidewall Face Velocity	FPM	0-9999	The current face velocity measured by the sidewall sensor.	R

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BACNET POINTS LIST v1.6.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Setting
MULTISTATE VALUES					
MV1	Hood State	Text	6 states	Displays the current state of the fumehood. 1 - Awaiting Calibration 2 - Normal 3 - Caution 4 - Alarm 5 - Setback 6 - Off	R
MV2	Control Method	Text	6 states	Which method of control will be used to maintain the face velocity setpoint. 1 - Sidewall 2 - Sash 3 - Hybrid 4 - Fallback to Sidewall 5 - Fallback to Sash 6 - N/A	R
MV3	Monitor Source	Text	3 states	Which sensor will be used to display face velocity on the FHI 1 - Sidewall 2 - Sash 3 - N/A	R

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

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