PMT-1-X
Sheet 1 of 5

Touchscreen Room Pressure Monitor

270120
Rev. M
2022/04/26

Product Submittal

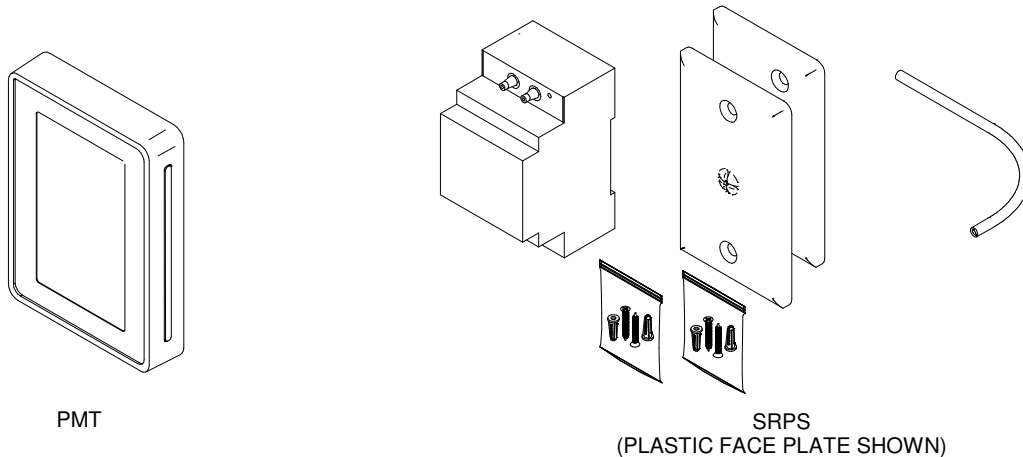**ANTEC**controls
by price

PMT SPECIFICATIONS:		
ENVIRONMENTAL (OPERATING)	50ºF to 95ºF (10ºC to 35ºC), 0% 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, 34 VA (EXTERNAL LOADS NOT INCLUDED), CLASS 2	
INPUTS	1 BINARY INPUT, 1 BINARY/ANALOG INPUT, 1 SENSOR INFORMATION NETWORK INPUT	
OUTPUTS	2 ANALOG OUTPUTS (0 to 10 VDC, MAX:10 mA), 1 DRY BINARY OUTPUT (MAX: 24 VAC/VDC, 100 mA), 1 SIN POWER OUTPUT (34 VDC, MAX: 300 mA)	
DISPLAY TYPE	CAPACITIVE TOUCH, 4.3in. (109mm) TFT/IPS, DIMMABLE	
INDICATORS	180° SIDEVIEW RGB LED, SPEAKER	
RESOLUTION	WVGA RGB 480px x 272px	
COMMUNICATION PROTOCOL	BACNET, SIN	
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
ROOM PRESSURE SENSORS (SRPS)	ENVIRONMENTAL (OPERATING)	50ºF TO 95ºF (10ºC TO 35ºC) 0% TO 95% R.H.(NON-CONDENSING)
	ENVIRONMENTAL (STORAGE)	-22ºF TO 122ºF (-30ºC TO 50ºC) 0% TO 95% R.H.(NON-CONDENSING)
	INPUT POWER	POWERED FROM PMT
	RANGE	+/- 0.1 in.w.c. (+/- 25 Pa)
	ACCURACY	3% OF READING
	PRESSURE TUBING	96in. (2438mm) LONG, CLEAR, FIRE-RATED
MOUNT	PMT	STANDARD 2in. x 4in. (51mm x 102mm) J-BOX
	SRPS	DIN RAIL MOUNT (INCLUDED)
	FACE PLATES	STANDARD 2in. x 4in. (51mm x 102mm) J-BOX or DRYWALL MOUNT

PMT

SRPS
(PLASTIC FACE PLATE SHOWN)

ROOM PRESSURE SENSORS:

☐ ONE SIN ROOM PRESSURE SENSOR (SRPS1)

☐ TWO SIN ROOM PRESSURE SENSORS (SRPS2)

☐ THREE SIN ROOM PRESSURE SENSORS (SRPS3)

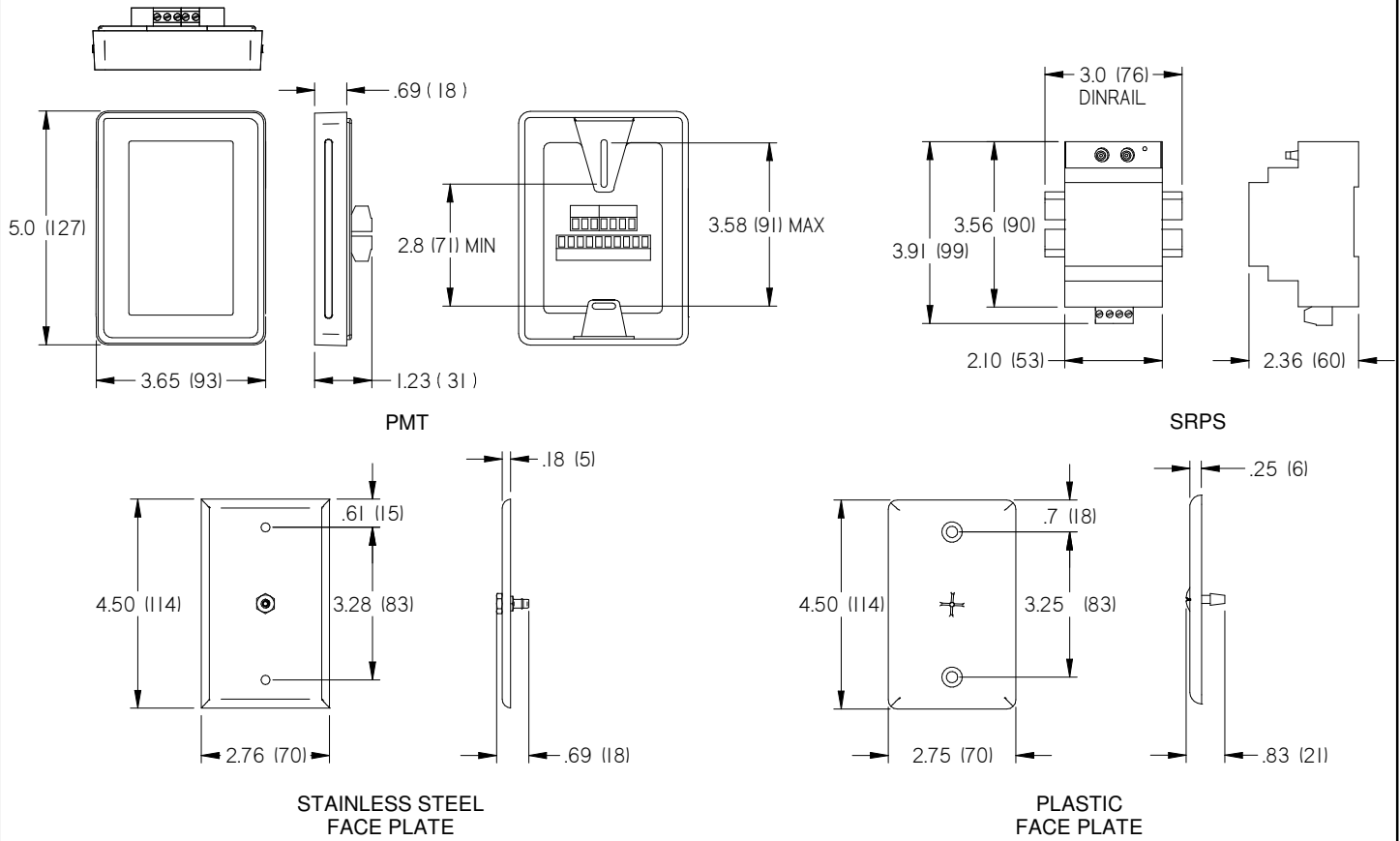## FACE PLATES:

☐ ABS PLASTIC, WHITE (INCLUDES MOUNTING HARDWARE)

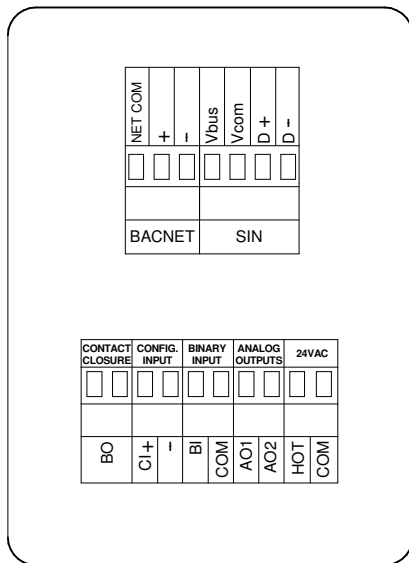☐ STAINLESS STEEL (INCLUDES MOUNTING HARDWARE)

NOTE: PLEASE REFER TO PMT MANUAL FOR INSTALLATION AND SETUP 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.

Solid Edge

Touchscreen Room Pressure Monitor

PMT-1-X
Sheet 2 of 5

270120
Rev. M
2022/04/26

Product Submittal

ANTEC controls
by **price**

DIMENSIONS:

.69 (18)

5.0 (127)

3.65 (93)

1.23 (31)

2.8 (71) MIN

3.58 (91) MAX

PMT

3.0 (76) DINRAIL

3.56 (90)

3.91 (99)

2.10 (53)

2.36 (60)

SRPS

.18 (5)

.61 (15)

4.50 (114)

3.28 (83)

2.76 (70)

.69 (18)

STAINLESS STEEL
FACE PLATE

.25 (6)

.7 (18)

4.50 (114)

3.25 (83)

2.75 (70)

.83 (21)

PLASTIC
FACE PLATE

TERMINATION:

NET COM	+	-	Vbus	Vcom	D +	D -

BACNET	SIN

CONTACT CLOSURE	CONFIG. INPUT		BINARY INPUT		ANALOG OUTPUTS		24VAC	
BO	CI+	-	BI	COM	AO1	AO2	HOT	COM

HOT	INPUT POWER, HOT
COM	INPUT POWER, GROUND
AO1	ANALOG OUTPUT 1
AO2	ANALOG OUTPUT 2
BI	BINARY INPUT
COM	
CI+	CONFIGURABLE INPUT
CI-	
BO	DRY CONTACT BINARY OUTPUT
Vbus	SIN POWER
Vcom	SIN GROUND
D +	SIN NET +
D -	SIN NET -
+	BACNET NET +
-	BACNET NET -
NET COM	BACNET NET COM

NOTE: PLEASE REFER TO PMT MANUAL FOR INSTALLATION AND SETUP 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.

Solid Edge

Touchscreen Room Pressure Monitor

PMT-1-X
Sheet 3 of 5

270120
Rev. M
2022/04/26

ANTEC *controls*
by **price**

Product Submittal

BACNET POINTS LIST v2.6.0 OR NEWER							
					Write Settings		
Object	**Name**	**Units**	**Range**	**Description**	**Disabled**	**Standard**	**Open**
ANALOG INPUTS							
AI1	Room 1 Pressure	in.w.c. / Pa	-0.1 to +0.1	Pressure reading of the monitored room using SRPS1	R	R	R
AI2	Room 2 Pressure	in.w.c. / Pa	-0.1 to +0.1	Pressure reading of the monitored room using SRPS2 (Only available when SRPS2 connected)	R	R	R
AI3	Room 3 Pressure	in.w.c. / Pa	-0.1 to +0.1	Pressure reading of the monitored room using SRPS3 (Only available when SRPS3 connected)	R	R	R
BINARY INPUTS							
BI1	Binary Input 1 - [usage]	-	Open / Closed	The Binary Input can be configured to several types of input signals. See *Input* section of PMT manual for options	R	R	R
MULTISTATE INPUTS							
MI1	Configurable Input 1 - [usage]	Based on usage	2 or 3 States based on usage	The Configurable Input can be configured to several types of input signals. See *Input* section of PMT manual for options	R	R	R
ANALOG OUTPUTS							
AO1	Analog Output 1	VDC	0-10	Analog Output 1 can be configured to provide VDC output for several different values. See *Output* section of PMT manual for options	R	W	W
AO2	Analog Output 2	VDC	0-10	Analog Output 2 can be configured to provide VDC output for several different values. See *Output* section of PMT manual for options	R	W	W
BINARY OUTPUTS							
BO1	Binary Output 1	-	On / Off	Binary Output 1 can be configured to provide 24VAC output for several different values. See *Output* section of PMT manual for options	R	W	W
ANALOG VALUE							
AV1	Room 1 Low Pressure Alarm	in.w.c. / Pa	0 to AV2 or AV2 to 0	Alarm trip point of Low Pressure Alarm for the room using SRPS1 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W
AV2	Room 1 High Pressure Alarm	in.w.c. / Pa	AV1 to 0.1 or 0 to AV1	Alarm trip point of High Pressure Alarm for the room using SRPS1 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W
AV3	Room 2 Low Pressure Alarm	in.w.c. / Pa	0 to AV4 or AV4 to 0	Alarm trip point of Low Pressure Alarm for the room using SRPS2 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W

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.

Solid Edge

Touchscreen Room Pressure Monitor

Product Submittal

PMT-1-X
Sheet 4 of 5

270120
Rev. M
2022/04/26

ANTEC controls
by **price**

BACNET POINTS LIST v2.6.0 OR NEWER (CONTINUED)

Object	Name	Units	Range	Description	Write Settings		
					Disabled	Standard	Open
AV4	Room 2 High Pressure Alarm	in.w.c. / Pa	AV3 to 0.1 or 0 to AV3	Alarm trip point of High Pressure Alarm for the room using SRPS2 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W
AV5	Room 3 Low Pressure Alarm	in.w.c. / Pa	0 to AV6 or AV6 to 0	Alarm trip point of Low Pressure Alarm for the room using SRPS3 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W
AV6	Room 3 High Pressure Alarm	in.w.c. / Pa	AV5 to 0.1 or 0 to AV5	Alarm trip point of High Pressure Alarm for the room using SRPS3 (Value will change sign if the room is configured for a Negative or Positive mode)	R	R	W
AV7	Room 1 Temperature	ºF / ºC	0 - 200	Room 1 Temperature reading from other BACnet device	R	R	R
AV8	Room 1 Relative Humidity	% R.H.	0 - 100	Room 1 Relative Humidity reading from other BACnet device	R	R	R
AV9	Room 1 Air Change Rate	A.C.H.	0 - 100	Room 1 Air Change Rate reading from other BACnet device	R	R	R
AV10	Room 2 Temperature	ºF / ºC	0 - 200	Room 2 Temperature reading from other BACnet device	R	R	R
AV11	Room 2 Relative Humidity	% R.H.	0 - 100	Room 2 Relative Humidity reading from other BACnet device	R	R	R
AV12	Room 2 Air Change Rate	A.C.H.	0 - 100	Room 2 Air Change Rate reading from other BACnet device	R	R	R
AV13	Room 3 Temperature	ºF / ºC	0 - 200	Room 3 Temperature reading from other BACnet device	R	R	R
AV14	Room 3 Relative Humidity	% R.H.	0 - 100	Room 3 Relative Humidity reading from other BACnet device	R	R	R
AV15	Room 3 Air Change Rate	A.C.H.	0 - 100	Room 3 Air Change Rate reading from other BACnet device	R	R	R
AV16	Room 1 Low Pressure Alarm Delay	sec	0-600	Room 1 Low Pressure Alarm Delay Value	R	R	R
AV17	Room 1 High Pressure Alarm Delay	sec	0-600	Room 1 High Pressure Alarm Delay Value	R	R	R
AV18	Room 2 Low Pressure Alarm Delay	sec	0-600	Room 2 Low Pressure Alarm Delay Value	R	R	R
AV19	Room 2 High Pressure Alarm Delay	sec	0-600	Room 2 High Pressure Alarm Delay Value	R	R	R
AV20	Room 3 Low Pressure Alarm Delay	sec	0-600	Room 3 Low Pressure Alarm Delay Value	R	R	R
AV21	Room 3 High Pressure Alarm Delay	sec	0-600	Room 3 High Pressure Alarm Delay Value	R	R	R
AV22	Commissioning			Advanced diagnostics	R	W	W

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.

Solid Edge

Touchscreen Room Pressure Monitor

Product Submittal

PMT-1-X
Sheet 5 of 5

270120
Rev. M
2022/04/26

ANTEC *controls*
by **price**

BACNET POINTS LIST v2.6.0 OR NEWER (CONTINUED)							
					Write Settings		
Object	**Name**	**Units**	**Range**	**Description**	**Disabled**	**Standard**	**Open**
MULTISTATE VALUES							
MV1	Status	Text	4 States	Displays the current status of all rooms. 1 - Normal 2 - Caution 3 - Alarm 4 - Setback	R	R	R
MV2	Status Override	Text	5 States	Indicates whether the PMT has been override to a specific mode 1 – No Override 2 – Force Isolation 3 – Force Caution 4 – Force Alarm 5 – Force Setback	R	R	W
MV3	Room 1 Isolation Mode	Text	2 states	Indicates the isolation mode of room 1 - Positive 2 - Negative	R	R	W
MV4	Room 2 Isolation Mode	Text	2 states	Indicates the isolation mode of room 1 - Positive 2 - Negative	R	R	W
MV5	Room 3 Isolation Mode	Text	2 states	Indicates the isolation mode of room 1 - Positive 2 - Negative	R	R	W
MV6	Alarm Status	Text	8 states	Indicates the reason for any alarm 1 - No Alarm 2 - Network Override 3 - BI - Contact Input 4 - CI - Contact input 5 - Room High Pressure 6 - Room Low Pressure 7 - Door Open 8 - Missing Sensor	R	R	R
MV7	Caution Status	Text	8 states	Indicates the reason for any caution 1 - No Caution 2 - Network Override 3 - BI - Contact Input 4 - CI - Contact Input 5 - Room High Pressure 6 - Room Low Pressure 7 - Door open 8 - Missing Sensor	R	R	R
MV8	Audible Alarm	Text	3 states	Indicates the state of the alarm 1 - Off 2 - On 3 - Acknowledged	R	R	R

NOTE: PLEASE REFER TO PMT MANUAL FOR INSTALLATION AND SETUP 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.

Solid Edge