PRESSURA™ Model 8631-HM-BAC

PICS Statement

Date: March 19, 2007
Vendor Name: TSI Inc.
Product Name: Pressura Room Pressure Monitor
Product Model Number: 8631-HM-BAC
Applications Software Version: 1.0
Firmware Revision: 1.0
BACnet Protocol Revision: 2

Product Description:
TSI's PRESSURA™ Room Pressure Monitors accurately measure the actual room pressure differential, helping to ensure the proper operation of your HVAC system to maintain patient safety. This model monitor is capable of acting as a stand-alone device or as part of a building automation system via BACnet MS/TP protocol.

BACnet Standardized Device Profile (Annex L):
BACnet Application Specific Controller (B-ASC)

Segmentation Capability:
None

List all BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-B	**DM-DDB-B**
DS-WP-B	**DM-DOB-B**
DS-RPM-B	**DM-DCC-B**

Standard Object Types Supported:

	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties (Data Type)
Analog Input	No	No		
Analog Value	No	No		Present_Value (Real)
Binary Input	No	No	Active_Text, Inactive_Text	
Binary Value	No	No	Active_Text, Inactive_Text	Present_Value (Enumerated)
Multi-state Input	No	No	State_Text	
Multi-state Value	No	No	State_Text	Present_Value (Unsigned Int)
Device Object	No	No		Object Name (Char String) Max Master (Unsigned Int)

Data Link Layer Options:
☑ MS/TP master (Clause 9), baud rate(s): 76.8k 38.4k, 19.2k, 9600 bps

Device Address Binding:
Not Supported

Networking Options:
None

Character Sets Supported:
☑ ANSI X3.4

Object Type	Device Instance	*Units	Description	
Analog Input	1	ft/min, m/s, in. H_2O, Pa	Room Pressure	
Analog Input	2	ft/min, m/s, in. H_2O, Pa	Sec Sens Pressure	
Analog Input	3	cfm, l/s	Flow Rate	
Analog Input	4		Air Changes Per Hour	
Analog Value	1		MAC Address	1 to 127
Analog Value	2	ft/min, m/s, in. H_2O, Pa	Neg Low Alarm	0 to -0.19500 in. H_2O
Analog Value	3	ft/min, m/s, in. H_2O, Pa	Neg High Alarm	0 to -0.19500 in. H_2O
Analog Value	4	ft/min, m/s, in. H_2O, Pa	Pos Low Alarm	0 to 0.19500 in. H_2O
Analog Value	5	ft/min, m/s, in. H_2O, Pa	Pos High Alarm	0 to 0.19500 in. H_2O
Analog Value	6	ft/min, m/s, in. H_2O, Pa	Sec Low Alarm	-0.19500 to 0.19500 in. H_2O
Analog Value	7	ft/min, m/s, in. H_2O, Pa	Sec High Alarm	-0.19500 to 0.19500 in. H_2O
Analog Value	8	cfm, l/s	Min Supply Alarm	0 to 30,000 cfm
Multi-State Input	1		Status Index	1 Normal 2 Low Alarm 3 High Alarm 4 Min Flow Alarm 5 Sec Sens Low Alarm 6 Sec Sens High Alarm 7 Data Error
Multi-State Value	2		Control Mode	1 Negative 2 Positive 3 No Isolation
Multi-State Value	3		Units Value	1 ft/min 2 m/s 3 in. H_2O 4 Pa
Device	863001**		TSI8631	

* The units are based on the value of the Units Value object. When the Units Value is set to 1 or 3 the units are in English form. When the Units Value is set to 2 or 4 the units are metric. English is the default value.

**The device instance is 863000, summed with the MAC address of the device.

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