ExactLogic BACnet Communicating Thermostat
EXL01615 Sequence Datasheet

RTU w/ Humidity/Dehumidity Sequence
OR
Dehumidification Fan w/ Override (Hose Tower)

DataSheet Rev 1.30
June 14, 2024

Operating Sequence

Standard Occupied

During normal occupied operation the display will show the current room temperature. The first press of either right pair of keys will show the current room setpoint. Additional presses will adjust the setpoint up or down by 0.5 degrees. The thermostat keypad will time out after 5 seconds without a key press, and the display will switch back to displaying the room temperature.

The left pair of keys allows for the adjustment of the fan speed. The current mode is shown with the first key press; additional key presses will show the adjustment to the mode. AV-62 is used to select the number of fan speeds, and AV-63 will show what speed the fan is currently set to. Refer to the table below for the values of AV-62 (Fan Mode Status) and AV-63 (Fan Speed Status)

AV-62	Mode
0	AUTO Only
1	AUTO-ON
2	OFF-AUTO-ON
3	OFF-1-2-AUTO
4	OFF-1-2-3-AUTO

AV-63	Fan Speed
0	OFF
1	Fan Speed 1
2	Fan Speed 2
3	Fan Speed 3
4	AUTO
5	ON

Internal/External Thermistor Control

The thermostat control sequence can use the internal thermistor or an external thermistor connected to AI-2. Setting BV-67 to OFF (default) the thermostat will use the internal thermistor. Setting BV-67 to ON the control sequence will use the external thermistor.

The current controlling temperature is located at AV-20. This value will be displayed on the LCD of the thermostat and should be used on any workstation displays.

Control Sequence – Heat / Cool

The occupancy of the thermostat can be controlled by a schedule or a binary input. The schedule point is BO-5. The binary input (BI-5) can be used to control occupancy by setting BV-51 to ACTIVE. When scheduled to be occupied, the thermostat will maintain its occupied setpoint. The deadband is controlled by the cooling/heating offset (default 1 degree). The Heating/Cooling Trigger and Reset Setpoints (AV-50 to 53) are used to determine went the heating and cooling outputs should turn ON and OFF. The heating and cooling is commanded by digital and analog outputs. See the point descriptions for more details.

The heating output at AO-0 is direct acting 0-10Vdc = 0-100% when BV-60 is off, when BV-60 is on then AO-0 is reverse acting 10-0Vdc = 0-100%. Heating status is available at AV-17 0-100%.

Note: All digital outputs have a 180 second ON/OFF anti-short cycle.

Control Sequence – Humidify/Dehumidify

The Humidity signal can come from an external humidity wall sensor or the internal humidity add-on card. The sensor is selected via BV-72 (ACTIVE for external sensor). The Humidity level is show at AV-21. The humidifier is commanded from BO-3. The Humidity SP (AV-45), Space Humidity (AV-21), Humidifier Trigger SP (AV-40), and Humidifier Reset SP (AV-41) are all used to determine when the Humidifier should be commanded ON/OFF. See the point descriptions for more details.

The dehumidification sequence can use digital or analog control. In digital control, BO-1 (Cooling Stage 1) is used to control the humidity level. Heating Stage 1 (BO-2) is used to maintain the room setpoint. In analog control, AO-1 (Cooling Signal) is set to 100% open. The Heating Signal (AO-0) is used to maintain the room setpoint. The Dehumidifier Request (BV-15) is commanded ON or OFF by the Space Humidity (AV-21), Dehumidifier SP (AV-46), Dehumidifier Trigger SP (AV-42), and Dehumidifier Reset SP (AV-43). See the point descriptions for more details.

Standard Unoccupied

During unoccupied operation the thermostat will continue to display the room temperature. When in an unoccupied state pressing one of the right pair of keys will display a message indicating the thermostat is in night mode, preventing the setpoint from being adjusted. To adjust the room setpoint when unoccupied the thermostat must be set to night override.

Control Sequence

When in the unoccupied mode, the room will be controlled by the unoccupied cooling/heating setpoints. The fan and cooling/heating stages will operate the same as the occupied control sequence.

Vacancy

If a room is known to be vacant, vacant setpoints can be used to override the unoccupied setpoints. By setting BV-70, a room will be controlled by the vacant cooling/heating setpoints (AV-64/65).

Night Overrride

Set the night override by pressing one of the left pair of keys. The display will switch to allow the user to set the night override time. Additional presses of the keys will adjust the time up or down by 0.5 hour increments. The night override can be increased up to the override limit set at AV-73, the default is 5 hours. When the thermostat is in night override, the first press of one of the left pair of keys will display the override time remaining. Additional key presses will add/subtract 0.5 hours to the time that was remaining. When the timer reaches zero the thermostat will return to the unoccupied mode.

In the night override mode, the right pair of keys can be used to adjust the room setpoint. The thermostat keypad will time out after 5 seconds without a key press, and the display will switch back to displaying the room temperature.

The thermostat can be set to a night override by writing a value to AV-74 through BACnet. The value can not exceed the night override limit set at AV-73. If the night override time is set higher than the limit, the night override timer will be set to the limit. The night override limit default is 5 hours.

If the thermostat is commanded to the occupied mode while in night override, the override timer will be cleared to zero and the thermostat will enter the occupied mode.

Control Sequence

When the thermostat is in the override mode, the room will be controlled by the occupied cooling/heating setpoints. The fan and cooling/heating stages will operate the same as the occupied control sequence.

Note: There is no fan control in the override mode. The fan will run in the AUTO mode.

Vacancy

If a room is known to be vacant, vacant setpoints can be used to override the unoccupied setpoints. By setting BV-70 to active, a room will be controlled by the vacant cooling/heating setpoints (AV-64/65).

Motion/Humidity Option Card

The Motion/Humidity Option Card can be used for Motion Only, Humidity Only, or Motion/Humidity together. In order to use the Motion Sensor (either stand alone or with Humidity), BV-64 must be set to ACTIVE. The Humidity Sensor can be enabled by setting AV-31 to 4. These settings will automatically provide the required voltage to power the sensors. The motion sensor status will show on BI-1. Once the motion sensor does not sense motion, the delay at AV-81 is used to delay the ACTIVE to INACTIVE command to the Scheduled Occupied command at BO-5, priority array entry 10. The Humidity value is shown on AI-1. Be Sure to Scale the Humidity Sensor by Following the Scaling Instructions on the "Installation Instructions" Manual.

Disabling of the Splash, Setup Menu, or Field Service Mode

When the thermostat is installed in a public location there may be times when the setup of the thermostat will need to be disabled to prevent tenants from changing the configuration while still giving them access to change the setpoints and control after hours modes. The following points have been added to allow this:

BV-57 = Setting ACTIVE will disable the "EXACTLOGIC" splash display after key presses
BV-58 = Setting ACTIVE will disable access to the Setup Menu where the Network/MAC/Baud Rate/etc are set
BV-59 = Setting ACTIVE will disable access to the Field Service Mode where Time/Schedule/Setpoints/etc are set

Hose Tower Mode

Hose Tower runs the fan for dehumidification or manual override.

To Enable Hose Mode, set AV-68 to something lower than 21 you can also change this using the Field Service Menu (See Installation Instructions for how to access this menu).

Once in Hose Mode the Temperature Adjustment Buttons will be enabled to adjust the humidity setpoint.

The Override Button will run the fan in two ways.

Unoccupied: The Fan buttons on the stat will enable the override by a timer which will turn on the fan, to enable this functionality turn Occupied to inactive using the Field Service Menu.

Note: If using unoccupied functionality, to use the humidity adjustment on the thermostat, you must enable your Override Hours, then make the adjustment, you then adjust the Override Hours back to zero.

Occupied: The Fan buttons will override the Fan On until you turn them off with the override button, to enable this functionality, change the "FanSpeed" to a 2 and Occupied to Active.

Installation

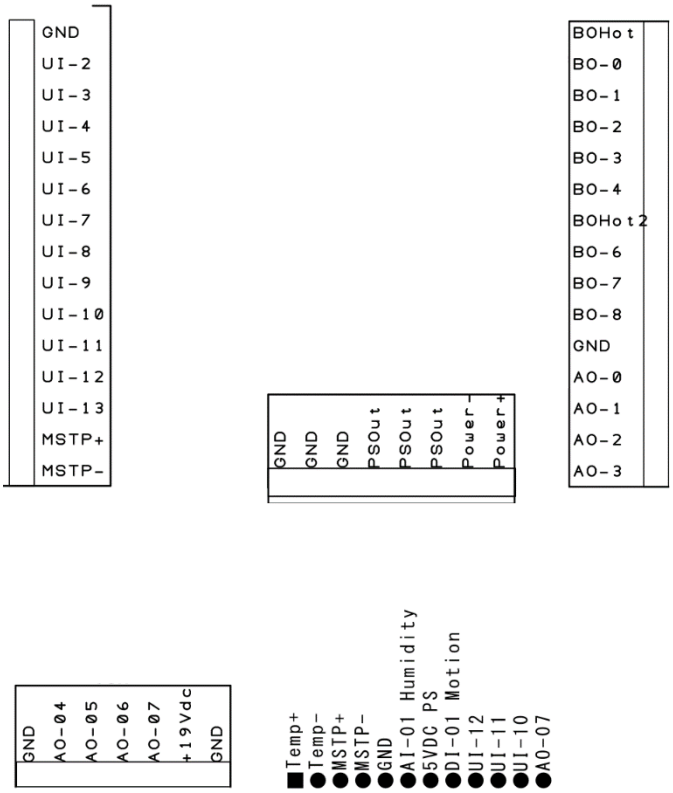

Fig. 4

*Note: Thermostat Common Relay point (BO Hot) usually 24VAC/DC or R

*Note: AI-2 through AI-5 and BI-2 through BI-5 are wired to UI-2 through UI-5. Each universal Input can only be used as an AI or a BI

GND ..... Neutral/Ground
UI-2..... Universal Input 2
UI-3..... Universal Input 3
UI-4..... Universal Input 4
UI-5..... Universal Input 5
UI-6..... Universal Input 6
UI-7..... Universal Input 7
UI-8..... Universal Input 8
UI-9..... Universal Input 9
UI-10 ..... Universal Input 10
UI-11 ..... Universal Input 11
UI-12 ..... Universal Input 12
UI-13 ..... Universal Input 13
MSTP + ... Network Line Positive
MSTP - .....Network Line Negative

BO Hot ..... 24VAC/DC Input for Relays 1-5*
BO-0 ..... Relay 1 Output, 24VAC/DC
BO-1 ..... Relay 2 Output, 24VAC/DC
BO-2 ..... Relay 3 Output, 24VAC/DC
BO-3 ..... Relay 4 Output, 24VAC/DC
BO-4 ..... Relay 5 Output, 24VAC/DC
BO Hot 2 ..... 24VAC/DC Input for Relays 7-9*
BO-6 ..... Relay 7 Output, 24VAC/DC
BO-7 ..... Relay 8 Output, 24VAC/DC
BO-8 ..... Relay 9 Output, 24VAC/DC
GND ..... Neutral/Ground
AO-0 ..... Analog Output 0, 0-10V
AO-1 ..... Analog Output 1, 0-10V
AO-2 ..... Analog Output 2, 0-10V
AO-3 ..... Analog Output 3, 0-10V

GND ..... Neutral/Ground
GND ..... Neutral/Ground
GND ..... Neutral/Ground
PSOut.....24VAC/DC Hot
PSOut.....24VAC/DC Hot
PSOut.....24VAC/DC Hot
Power - ..... Neutral/Ground
Power + ...24VAC/DC Hot

GND ..... Neutral/Ground
AO-04 ..... Analog Output 4, 0-10V
AO-05 ..... Analog Output 5, 0-10V
AO-06 ..... Analog Output 6, 0-10V
AO-07 ..... Analog Output 7, 0-10V
+19Vdc ..... 19V DC
GND ..... Neutral/Ground

Output Wiring

Output/Label	
BO0	Fan
BO1	Cooling Stage 1/Dehumidify
BO2	Heating Stage 1
BO3	Humidify
BO4	
AO0	Heat
AO1	Cool

Reserved BACnet Points

The following are points reserved by the thermostat for operation.

Analog Inputs

Instance	Object Name	Description	Read/Write	Default
AI-0	Room Temp	Reading of the internal thermistor in counts. 0-1024	R	variable
AI-1	Int. Humidity	Reading from the internal humidity sensor add-on card	R	variable
AI-2	Ext. Room Temp	Optional external room temperature input	R	variable
AI-3	Space Humidity	Reading of the space humidity sensor	R	variable
AI-4	Analog Input 04	Reading of the external input 4 in counts. 0-1024	R	variable
AI-5	Analog Input 05	Reading of the external input 5 in counts. 0-1024	R	variable

Analog Outputs

Instance	Object Name	Description	Read/Write	Default
AO-0	Heating Signal	0-10V heating output	R/W	0.0
AO-1	Cooling Signal	0-10V cooling output	R/W	0.0
AO-2	Analog Output 2	Variable 0-14VDC, 150mA output	R/W	37

Analog Values

Instance	Object Name	Description	Read/Write	Default
AV-0	Mode of Operation	The mode that the thermostat is currently in. 0 = Heat Mode 1 = Cool Mode 2 = Idle 3 = Afterhours 4 = Unoccupied Idle 5 = Unoccupied Heat Mode 6 = Unoccupied Cool Mode	R	
AV-1				
AV-2				
AV-3				
AV-4	Current Htg SP	The setpoint that controls heating. If the room temperature goes below this setpoint the thermostat will enter heating mode.	R	
AV-5	Current Clg SP	The setpoint that controls cooling. If the room temperature goes above this setpoint the thermostat will enter cooling mode.	R	
AV-6	Heating SP	The setpoint used for heating during occupied mode. This setpoint is calculated by AV-66 (Current SP) – AV-70 (Heating Offset)	R	72.0˚F
AV-7	Cooling SP	The setpoint used for cooling during occupied mode. This setpoint is calculated by AV-66 (Current SP) + AV-69 (Cooling Offset)	R	74.0˚F
AV-8				
AV-9				
AV-10				
AV-11				
AV-12				
AV-13				
AV-14				
AV-15				
AV-16				
AV-17	Heating Demand	Heating Demand Signal to Hot Water Valve		
AV-18				
AV-19				
AV-20	Room Temp	Selected from either AI-0 or AI-2. BV-67 is used for selection. This is the value displayed on the LCD of the thermostat and should be used to display the temperature on any workstation display.	R	
AV-21	Room Humidity	Selected from either AI-1 or AI-3. BV-72 is used for selection. This is the value displayed on the LCD of the thermostat and should be used to display the humidity on any workstation display.	R	
AV-22				
AV-23				
AV-24				
AV-25				
AV-26	Cooling Deviation	Number of degrees that the room temperature is away from the cooling setpoint	R	

AV-27	Heating Deviation	Number of degrees that the room temperature is away from the heating setpoint	R	
AV-28	Deviation from SP	Number of degrees that the room temperature is away from the room setpoint	R	
AV-29	Zone Scan	Numerical representation of the thermostats mode. 100 = full heat, -100 = full cool	R	
AV-30	AI-0 Setup	Parameter used to set the input type. 0 = counts 1 = temperature 2 = 4-20mA 3 = 0-5V 4 = 0-10V 5 = pulse	R	1
AV-31	AI-1 Setup	See AV-30	R	4
AV-32	AI-2 Setup	See AV-30	R	0
AV-33	AI-3 Setup	See AV-30	R	4
AV-34	AI-4 Setup	See AV-30	R	0
AV-35	AI-5 Setup	See AV-30	R	0
AV-36	Heating Demand	Heating Demand Signal to Hot Water Valve	R	
AV-37				
AV-38				
AV-39				
AV-40	Humidifier Trigger SP	Amount the Space Humidity needs to be over the setpoint to trigger the humidifier output ACTIVE	R/W	2%
AV-41	Humidifier Reset SP	Amount the Space Humidity needs to be under the setpoint to trigger the humidifier output INACTIVE	R/W	0%
AV-42	Dehumidifier Trigger SP	Amount the Space Humidity needs to be over the setpoint to trigger the dehumidifier output ACTIVE	R/W	2%
AV-43	Dehumidifier Reset SP	Amount the Space Humidity needs to be under the setpoint to trigger the dehumidifier output ACTIVE	R/W	0%
AV-44				
AV-45	Humidity Setpoint	Setpoint the humidifier output will control too	R/W	50%
AV-46	De-Humidity Setpoint	Setpoint the dehumidifier output will control too	R/W	50%
AV-47				
AV-48				
AV-49				
AV-50	Heat Trigger Setpoint	Amount the Space Temperature needs to be under the setpoint to trigger the Heat output ACTIVE	R/W	2.0˚F
AV-51	Heat Reset Setpoint	Amount the Space Temperature needs to be over the setpoint to trigger the Heat output INACTIVE	R/W	0.0˚F
AV-52	Cool Trigger Setpoint	Amount the Space Temperature needs to be over the setpoint to trigger the Cooling output ACTIVE	R/W	2.0˚F
AV-53	Cool Reset Setpoint	Amount the Space Temperature needs to be under the setpoint to trigger the cooling output INACTIVE	R/W	0.0˚F
AV-54				
AV-55				
AV-56				
AV -57				
AV-58	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	1.6

AV-59	Pseudo Ave Time Base	Factor used to average the room temperature. A small number will allow the room temperature to change faster over time. A large number will cause the room temperature to change slower over time.	R	100
AV-60	Calibration Offset	The calibration offset for the internal thermistor.	R	
AV-61	Space Alarm Offset	This offset +/- the Current Cooling/Heating SP is used to determine if the space is too warm/cold, and set an alarm if necessary.	R/W	5.0˚F
AV-62	# of Fan Speeds	Select the number of fan speeds for a multispeed fan. 0 = Auto Only 1 = AUTO - ON 2 = Off - AUTO - ON 3 = Off-1-2-AUTO 4 = Off-1-2-3-AUTO	R/W	0
AV-63	Current Fan Speed	The fan speed the thermostat is currently running. 0 = OFF 1 = Fan Speed 1 2 = Fan Speed 2 3 = Fan Speed 3 4 = AUTO 5 = ON	R	4
AV-64	Vacant Clg SP	Used in Hotel Mode. When a room is known vacant, the setpoint can be set below the unoccupied setpoint.	R/W	85.0˚F
AV-65	Vacant Htg SP	Used in Hotel Mode. When a room is known vacant, the setpoint can be set below the unoccupied setpoint.	R/W	55.0˚F
AV-66	Room Setpoint	The occupied room setpoint	R/W	73.0˚F
AV-67	Occupied SP Hi Limit	The maximum occupied room setpoint allowed.	R/W	85.0˚F
AV-68	Occupied SP Lo Limit	The minimum occupied room setpoint allowed	R/W	55.0˚F
AV-69	Clg Offset	The offset from Room Setpoint used to calculate the Occupied Cooling SP	R/W	1.0˚F
AV-70	Htg Offset	The offset from Room Setpoint used to calculate the Occupied Heating SP	R/W	1.0˚F
AV-71	Unoccupied Clg SP	The cooling setpoint used when the thermostat is unoccupied.	R/W	80.0˚F
AV-72	Unoccupied Htg SP	The heating setpoint used when the thermostat is unoccupied.	R/W	60.0˚F
AV-73	After Hours Limit	The maximum hours the thermostat is allowed to run during afterhours time. Setting this will set the thermostat to occupied operation. (0-99.9 hrs)	R/W	5.0 hrs
AV-74	After Hours Timer	The current amount of afterhours time left.	R	0.0 hrs
AV-75	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0
AV-76	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0
AV-77	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0
AV-78	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0
AV-79	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0

AV-80	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	0
AV-81	Motion OFF Delay	The amount of time to delay the ON->OFF transition of the motion sensor occupied command after no motion is detected	R/W	900 sec
AV-82				
AV-83				
AV-84				
AV-100	Analog Value 100	Internal thermistor display descriptor. The present value is automatically transferred. The AV description holds the descriptor to display.	R	
AV-101	Analog Value 101	Humidity display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display.	R/W	
AV-102	Analog Value 102	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-103	Analog Value 103	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-104	Analog Value 104	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-105	Analog Value 105	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-106	Analog Value 106	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-107	Analog Value 107	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-108	Analog Value 108	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-109	Analog Value 109	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-110	Analog Value 110	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-111	Analog Value 111	Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	
AV-112	Analog Value 112	Outside Air Display descriptor. Transfer the value to display to the present value. The AV description holds the descriptor to display	R/W	

Binary Inputs

Instance	Object Name	Description	Read/Write	Default
BI-0	Binary Input 00		R	
BI-1	Motion	Motion sensor status from the add-on card	R	
BI-2	Binary Input 02		R	
BI-3	Binary Input 03		R	
BI-4	Binary Input 04		R	
BI-5	Opt. Occupied Relay	Optional occupancy relay input	R	

Binary Outputs

Instance	Object Name	Description	Read/Write	Default
BO-0	Fan	Output for Fan Control	R/W	OFF
BO-1	Cooling Stage 1 / Dehumidify	Output for Cooling Stage 1, also used to Dehumidify	R/W	OFF
BO-2	Heating Stage 1	Output for Heating Stage 1	R/W	OFF
BO-3	Humidify Command	Output for Humidifier	R/W	OFF
BO-4	Binary Output 4		R/W	OFF
BO-5	Scheduled Occupied	Logical point only. Used for scheduling purposes. INACTIVE is unoccupied.	R/W	ON

Binary Values

Instance	Object Name	Description	Read/Write	Default
BV-0	Bad Sensor Alarm	Alarm for a bad internal thermistor	R	OFF
BV-1	Heat/Cool Mode	Sequence point to show analog heating or cooling. OFF = Cooling ON = Heat	R	
BV-2				
BV-3				
BV-4				
BV-5				
BV-6				
BV-7				
BV-8				
BV-9	Space Alarm Delay	Delay used to prevent a space alarm after receiving an occupied command. The delay is 7200 sec	R	OFF
BV-10	Program Status	Used to determine if the sequence was loaded correctly on a BACnet Restore or power up.	R	OFF
BV-11				
BV-12				
BV-13				
BV-14				
BV-15	Dehumidify	Status of the Dehumidify Request	R	
BV-16				

BV-17	Clg Stage 1 Request	Stage 1 cool is requested.	R	
BV-18				
BV-19				
BV-20	Fan Request - Heat	Used to request the fan to run when using the analog heat signal, AO-0, for control. Must be enabled by BV-52.	R	
BV-21	Fan Request – Cool	Used to request the fan to run when using the analog cool signal, AO-1, for control. Must be enabled by BV-53.	R	
BV-22	Too Warm Status	Status of the Too Warm Alarm before checking the Space Alarm Delay	R	OFF
BV-23	Too Cool Status	Status of the Too Warm Alarm before checking the Space Alarm Delay	R	OFF
BV-24	Space To Warm Alarm	The space temperature has been below the Room Set point (AV-66) – Space Alarm Offset (AV-61) for at least 7200 seconds.	R	OFF
BV-25	Space To Cool Alarm	The space temperature has been above the Room Set point (AV-66) + Space Alarm Offset (AV-61) for at least 7200 seconds.	R	OFF
BV-26	Heat Stage 1 Status	The status of the stage 1 heat request before the 180 second anti-short cycle delay.	R	
BV-27	Cool Stage 1 Status	The status of the stage 1 cool request before the 180 second anti-short cycle delay.	R	
BV-28				
BV-29				
BV-30				
BV-31				
BV-32				
BV-33				
BV-34				
BV-35				
BV-36				
BV-37				
BV-38				
BV-39				
BV-40	Occupied Status	The status of this point switches the thermostats occupancy settings. When ON, the thermostat is in Occupied Setpoint Mode or After Hours Mode.	R	ON
BV-41	Opt. Start Warmup	A Warmup command has been sent to the thermostat. When ON the thermostat will switch to occupied settings.	R/W	
BV-42	Opt. Start Cooldown	A Cooldown command has been sent to the thermostat. When ON the thermostat will switch to occupied settings.	R/W	
BV-43	Occ Set point Mode	The thermostat has been commanded occupied via BO-5, or a Warmup/Cooldown command has been sent via BV-41/BV-42.	R	

BV-44	After Hours Status	The thermostat has been set to afterhours mode. When ON the thermostat will switch to occupied settings.	R	OFF
BV-45	Reserved	This point is reserved for internal thermostat use and its value cannot be changed	R	OFF
BV-46				
BV-47	HoseMode/RTUMode	ON = HoseMode, OFF = RTUMode	R	OFF
BV-48				
BV-49	Update Descriptors	When ON descriptor changes are sent to the thermostats LCD, this point will auto reset to OFF.	R/W	OFF
BV-50				
BV-51	BI for Occupancy	ON = BI-5 will be used to indicate occupancy OFF = BI-5 is not used for occupancy	R/W	OFF
BV-52	Enable Analog Heat Fan Request	Allow the analog heat signal to request the fan to start	R/W	OFF
BV-53	Enable Analog Heat Fan Request	Allow the analog cool signal to request the fan to start	R/W	OFF
BV-54				
BV-55				
BV-56				
BV-57	Disable Splash	When ACTIVE, the “EXACTLOGIC” splash will not show after key presses	R/W	OFF
BV-58	Disable Setup Menu	When ACTIVE, there will be no access to the Setup Menu where the Network/MAC/Baud Rate is set	R/W	OFF
BV-59	Disable FSM Menu	When ACTIVE, there will be not access to the Field Service Mode where the Time/Schedule/Point Access is set	R/W	OFF
BV-60				
BV-61				
BV-62				
BV-63				
BV-64	Enable Motion	When ACTIVE, the power to the Motion add-on card is set to the proper voltage	R/W	OFF
BV-65				
BV-66	Disable Unit	When ON this point will disable and lockout all analog and binary outputs.	R/W	OFF
BV-67	Room Temp Select	When OFF, the internal thermistor is selected for the control sequence. When ON, an external thermistor attached to AI-2 is selected for control of the sequence	R/W	OFF
BV-68	Backlight Off/On	When ON the LCD backlight will remain on	R/W	OFF
BV-69	Fan Op Mode	Controls if the fan will cycle or run continuously. OFF = Cycle, ON = Continuous, BV-40 must also be ON.	R/W	OFF
BV-70	Room Vacant Status	When ON the thermostat will run on Vacant Heating/Cooling setpoints, AV-64/AV-65.	R/W	OFF

BV-71	C/F	Sets the thermostat to display temperatures in Celsius or Fahrenheit. This point is set through the setup menu. ON = F, OFF = C	R	ON
BV-72	Room Humidity Select	When OFF, the internal humidity add-on card sensor is selected for the control sequence. When ON, an external humidity sensor attached to AI-3 is selected for control of the sequence	R/W	OFF
BV-73				
BV-74				
BV-100	Binary Value 100	Enable internal thermistor descriptor	R/W	ON
BV-101	Binary Value 101	Enable humidity descriptor	R/W	ON
BV-102	Binary Value 102	Enable descriptor	R/W	OFF
BV-103	Binary Value 103	Enable descriptor	R/W	OFF
BV-104	Binary Value 104	Enable descriptor	R/W	OFF
BV-105	Binary Value 105	Enable descriptor	R/W	OFF
BV-106	Binary Value 106	Enable descriptor	R/W	OFF
BV-107	Binary Value 107	Enable descriptor	R/W	OFF
BV-108	Binary Value 108	Enable descriptor	R/W	OFF
BV-109	Binary Value 109	Enable descriptor	R/W	OFF
BV-110	Binary Value 110	Enable descriptor	R/W	OFF
BV-111	Binary Value 111	Enable descriptor	R/W	OFF
BV-112	Binary Value 112	Enable outside air descriptor	R/W	OFF