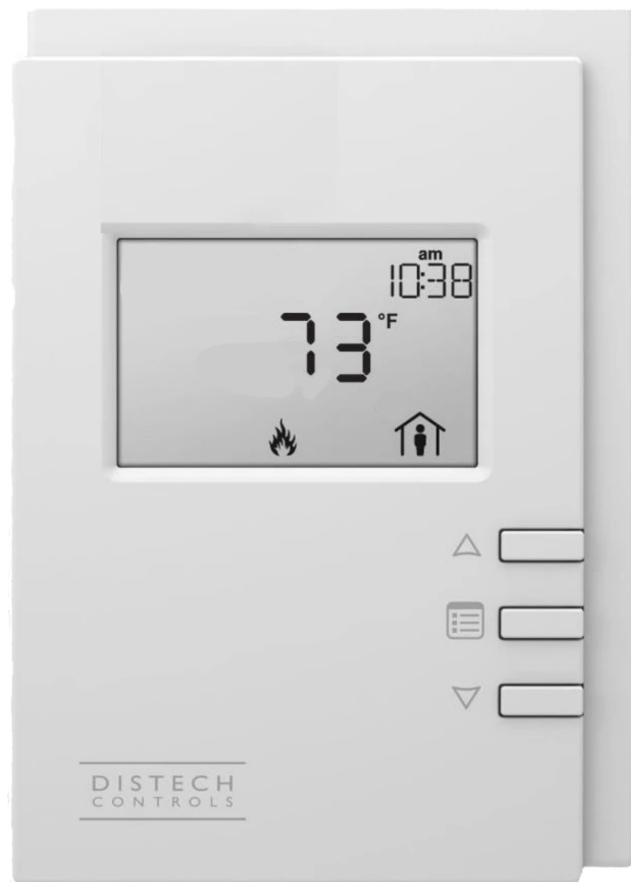


IC-3

User Guide



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WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

Disconnect power supply before making wiring connections or working on this equipment. Follow all applicable safety procedures to prevent accidental power up. Failure to do so can result in injury or death from electrical shock or moving parts and may cause equipment damage.

Improper control adjustments and manual mode control can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before making adjustments.

A Note About Custom Designs

AbsolutAire often builds equipment with special features as requested by the customer. This manual only covers standard features and does not include any changes made for special feature requests by the customer.



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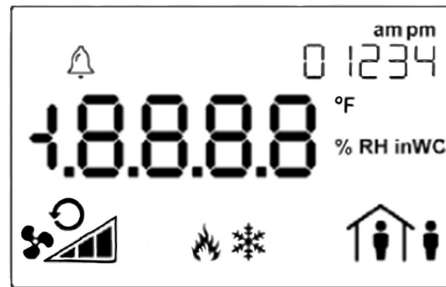
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Introduction

The Smart-View User Interface (UI) for the IC-3 Control System displays the information necessary to operate and diagnose the Heating and Ventilating Unit.

This is connected to the controller via a CAT-5E cable with a maximum length of 600 feet.



HMI Screen Information

At the top left corner of the display there is a bell symbol. This is the system alarm indicator. If an alarm is present in the unit this indicator will blink. If no alarm is present this indicator will not be visible. At the top center of the display is the indicator for indoor temperature. If an outdoor temperature is being displayed the thermometer will be outside of the house. At the top right of the display is the time in 12 hour format during normal display.

When navigating the menu, the menu title will be displayed here. Across the center of the display is the data with the units of measure. The system is capable of displaying up to 4 decimal places. At the bottom left is the fan status. In the bottom center is the mode of operation and at the bottom right is the occupancy status.

Three buttons are available for operation (see cover page). The center button allows you to access the menu and scroll through the menu items. The up/down buttons are used to change values.

Operation

The system has a scrolling display which displays the current Space Temperature, as well as Building Pressure and Relative Humidity (if equipped). The menu is separated into sub-menus for ease of use, and only the options the unit is equipped with will be displayed. When navigating the menu blinking items are set points that can be changed, while non-blinking items are statuses which can be viewed only.



To turn the unit on or off, press the “up arrow” to access the Fan Command. Use the “up arrow” to select the desired option, then press the center button “menu” to return to the main display.

To change set points such as temperature or building pressure, press the “menu” button until you see “SET POINTS” in the top right of the screen. Press the “up arrow” to enter this sub-menu. Your first choice will be “mode”. Use the up arrow to select “heat or vent” (unless the unit has air conditioning, in which case the choices will be “heat/cool/air”). When you have made your choice, press the “menu” button to move to the next menu item, which will be the Occupied Heat Set Point. Again, use the “up/down” arrow buttons to make your entry and press “menu” when finished. Continue scrolling through the Set Points sub-menu until all of your desired settings are completed. When scrolling the menu and you see the option “BACK” in the top right, pressing the “up arrow” will take you to the previous menu.

Scrolling through the “STATUS” sub-menu will allow you to view the status of all of the unit sensors, damper positions, and burner operation. This is useful for checking unit operation or outdoor conditions.

The “ALARMS” menu will only be displayed if there is a system alarm, as indicated by the blinking alarm bell on the display. When an alarm is present, scrolling through this sub-menu will allow you to view the alarm(s) in “plain English” enumerated text. This is useful for diagnosing the unit in the event of a problem.



Sensor Alarm Display



The “SCHEDULE” will be described later. This is a 7-day occupancy schedule used for the purpose of temperature or operation changes during unoccupied times.

The “CONFIG” menu is where the primary operating set points for the unit are set such as the minimum and maximum allowable discharge temperatures, as well as other items. Again, use the “menu” button to scroll through the sub-menu and the “up/down” buttons to edit your selection.

Schedule

The programmable 7-day occupancy schedule has the ability to set occupied and unoccupied times for a standard week, as well as five individually programmable special events which will override the weekly schedule.

The special event programming monitors the current year, as well as the month being programmed, to prevent invalid days from being programmed as a special event (for example April 31st or February 30th). The system also monitors for leap years so February can have either 28 or 29 days programmed.

Occupancy status is indicated by the occupancy icon in the lower right corner of the HMI screen. A steady icon indicates the system is following the standard 7-day schedule, while a blinking icon indicates the system is following a day programmed as a special event.

To program the 7-day schedule, press the “menu” button until “SCHEDULE” appears in the top right of the display. Press the “up arrow” to enter the schedule.

The first section is the “WEEKLY SCHEDULE”. Press the “up arrow” to enter the weekly schedule. Select the “DAY OF WEEK” to be programmed, with Monday being Day 1. Press “menu” to navigate to “OCC HOUR”. Use the up/down arrows to select the occupied hour, in 24-hour format, and press “menu” to confirm. Press “menu” again to navigate to “OCC MINUTE” and use the up/down arrows to select the occupied minute and press “menu” to confirm. Continue to set the “UNOC HOUR” and “UNOC MINUTE” for this day, then select the next day to program. Leaving the hours and minutes set to “0” for a day will leave that day un-programmed and the system will assume an occupied status for that day.

When finished with the WEEKLY SCHEDULE select “BACK” to return to the menu and program SPECIAL EVENTS if desired.



Special events are used to override the weekly schedule and either keep a facility occupied for an event such as inventory or an important meeting, or to keep a facility unoccupied on a holiday when the building will remain empty.

To program special events, press the “menu” button until “SCHEDULE” appears in the top right of the display. Press the “up arrow” to enter the schedule.

Press “menu” until “SPECIAL EVENTS” appears in the top right of the display. Press the “up arrow” to enter the special event programming menu.

Special events are programmed based on the month and day of the month you wish to program as a special event. Leaving a month and day set to “0” will leave that event un-programmed.

The first option will be the “EVENT NUMBER”. Select the event desired event number (1 - 5) and press “menu” to navigate to “EVENT MONTH”. Select the desired month (1 - 12) and press “menu” to confirm. Press “menu” to navigate to “EVENT DAY”. Select the desired day of the month (1 - 28/29/30/31 as allowed) and press “menu” to confirm.

Press “menu” to navigate to “OCC HOUR”. Select the occupied hour/minutes as well as the unoccupied hours/minutes in the same fashion as programming the weekly schedule.

When finished, either select the next event number to be programmed, or select “BACK” to return to the previous menu.

To remove a special event, set the event month and day to “0”.

Once the schedule is set, the unit will follow the occupied and unoccupied temperature set points for each day as well as any special events.



Menu Tree

Scrolling Display

Space_Temp – Current space temperature at the User Interface (or remote space temperature sensor if equipped).

Bldg_Pressure – Current building pressure (only displayed if the unit has Building Pressure as an option).

Quick Access

Fan_Command – This is accessed by pressing the “up arrow” from the main screen and is used to turn the unit ON and OFF.

Set Points

Mode – This is the mode of operation. Select “Heat” or “Vent” as desired (if the unit has cooling installed the choices will be “Heat/Cool/Air”)

Occ_Heat – Occupied Heat Set Point.

Unocc_Heat – Unoccupied Heat Set Point (only available if the unit has scheduling as an option).

Occ_Cool – Occupied Cooling Set Point (only available if the unit has cooling as an option).

Unocc_Cool – Unoccupied Cooling Set Point (only available if the unit has scheduling and cooling as options).

BP_Set_Point – Building Pressure Set Point (only available if the unit has building pressure control as an option).

Econ_Override – Economizer Override function to override automatic building pressure control of dampers or the supply fan VFD (only available if the unit has building pressure control as an option). Set to the override percent you desire, or select “null” by pressing the “up” and “down” arrow buttons at the same time for automatic control.

Man_Econ_Pct – Manual Economizer Percent for damper or supply fan VFD control (only available if the unit has manual speed or economizer control as an option).



Man_Econ_Speed – Manual Economizer setting for “two speed” or “two position” economizer operation (only available if the unit has two position or two speed as an option). Choices are “LOW” and “HIGH”. These values are set in the “CONFIG” menu.

Burner_Reset – Burner reset command for use during a burner lockout alarm. This is an “on/_on_” toggle selectable via the “up arrow” button.

Status

Space_Temp – Current space temperature at the User Interface (or remote space temperature sensor if equipped).

OA_Temp – Current outside air temperature.

RA_Temp – Current return air temperature (only if the unit has return air as an option).

DA_Temp – Current discharge air temperature.

Cool_Coil_Temp - Current cooling coil exit temperature (only if the unit is equipped with cooling).

Bldg_Pressure – Current building pressure (only available if the unit has building pressure as an option).

Econ_Command – Current economizer command issued to the dampers or supply fan VFD (only available if the unit has an economizer option).

Heat_Command – Current command (0% - 100%) issued to the burner for heat.



Alarms (alarm menu is only visible if an alarm is present)

Dirty_Filter – Dirty filter indication (only available if the unit has dirty filter monitoring as an option).

Low_Temp_Alarm – Low temperature lockout alarm. This is an indication that the unit was discharging air colder than the “Low Temp Alarm” setting in the “Config” menu for greater than “Low Temp Time” minutes. Check the burner for proper operation.

Space_Sensor – Space sensor alarm status. Enumerated “no-fault/open/short”. Check sensor wiring.

OA_Sensor_Alarm – Outside sensor alarm status. Enumerated “no-fault/open/short”. Check sensor wiring.

RA_Sensor_Alarm – Return sensor alarm status. Enumerated “no-fault/open/short”. Check sensor wiring (only available if unit is not 100% outside air).

DA_Sensor_Alarm – Discharge sensor alarm status. Enumerated “no-fault/open/short”. Check sensor wiring.

Burner_Lockout – Burner lockout alarm status. Indicates the burner failed to light when requested. Enumerated “normal/lockout”.

Damper_Feedback – OA/RA damper position feedback error. Indicates the processor is not receiving a valid position signal. Check damper wiring.

Motor_Not_Resp – Motor not responding alarm status. This indicates the unit was enabled and the supply fan motor failed to start within two minutes. Check VFD or overload (as available), OA damper limit switch and wiring, and power.



Schedule (only visible if the unit has scheduling)

Weekly Schedule

Day of Week – Schedule day to be programmed.

Occ_Hour – Occupied hour to be programmed. This is the hour (in 24 hour format) that the unit will assume occupied status.

Occ_Minute – Occupied minute to be programmed. This is the minute of the hour the unit will assume occupied status.

Unoc_Hour – Unoccupied hour to be programmed. This is the hour (in 24 hour format) that the unit will assume unoccupied status.

Unoc_Minute – Unoccupied minute to be programmed. This is the minute of the hour the unit will assume unoccupied status.

Special Events

Event_Number - The schedule supports up to five special events. This is the event number to be programmed

Event_Month - Month of the year the special event is in.

Event_Day - Day of the month the special event is on.

Occ_Hour – Occupied hour for the special event. This is the hour (in 24 hour format) that the unit will assume occupied status.

Occ_Minute – Occupied minute for the special event. This is the minute of the hour the unit will assume occupied status.

Unoc_Hour – Unoccupied hour for the special event. This is the hour (in 24 hour format) that the unit will assume unoccupied status.

Unoc_Minute – Unoccupied minute for the special event. This is the minute of the hour the unit will assume unoccupied status.



Config

Heat_Lockout – Heating mild weather stat setting. When the outside or mixed air temperature is above this setting the burner will be automatically disabled (only available if the unit has mild weather stat as an option).

Cool_Lockout – Cooling mild weather stat setting. When the outside or mixed air temperature is below this setting the cooling will be automatically disabled (only available if the unit has cooling as an option).

Low_Temp_Alarm – If the unit discharges air below this temperature set point for “Low Temp Time” minutes it will shut down and close the isolation dampers (Only available if LTL is available).

Low_Temp_Time – The time delay (in minutes) for the “Low Temp Alarm” (Only available if LTL is available).

Control_Type – Determines the type of control the unit will follow. Enumerated “space/discharge”.

Min_Discharge – The units minimum allowable discharge temperature.

Max_Discharge – The units maximum allowable discharge temperature.

Cycle_Occupied – Determines if the unit will cycle on/off to space temperature when in occupied status. Enumerated “yes/no”.

Cycle_Unoccupied – Determines if the unit will cycle on/off to space temperature when in unoccupied status. Enumerated “yes/no”.

Low_Econ_Limit – Economizer low limit. Used to limit the minimum position of dampers or the minimum VFD speed. Also used with two speed/position economizer.

High_Econ_Limit – Economizer high limit. Used to limit the maximum position of dampers or the maximum VFD speed. Also used with two speed/position economizer.

Advanced Menu (Press and hold “menu” button for 5 seconds to enter)

Date Time

Year – Set the real time clock year.

Date – Set the real time clock date.

Time – Set the real time clock time.



Network Integration

The controller in this unit can easily be integrated into a BACnet MS/TP Building Management System. The controller will automatically detect the baud rate of the network it is connected to after a power cycle, and will automatically begin communications.

The MAC Address is set via the dip switches on the front of the controller. When shipped, each unit will have a factory default MAC address with multiple units for the same project having incremented MAC addresses. The dip switches are numbered 1 through 8, with 1 being the LSB. The numbering is standard binary format (switches 1 and 3 ON equals an address of 5).

The Network Instance Number (device instance) is automatically configured based on the MAC Address setting. The network instance number will always be $3640+(\text{MAC Address})$. For example, if the MAC address is set to 25 the network instance number would be 364025. In the event of a duplicate instance number on the network, simply change the MAC address to change the instance number.

The following page has a complete listing of the BACnet points with their descriptions.



Point	Name	Type	Description	Writable	Units
Hardware Input 1	Discharge Temperature	RTD & Thermistors	Discharge Temperature Sensor (DO NOT WRITE TO THIS POINT)	N	Unit: degrees-Fahrenheit
Hardware Input 2	Outside Temperature	RTD & Thermistors	Outside Temperature Sensor (DO NOT WRITE TO THIS POINT)	N	Unit: degrees-Fahrenheit
Hardware Input 3	Return Temperature	RTD & Thermistors	Return Temperature Sensor (DO NOT WRITE TO THIS POINT)	N	Unit: degrees-Fahrenheit
Hardware Input 4	RemoteSpaceTemp	RTD & Thermistors	Remote Space Temperature Sensor (DO NOT WRITE TO THIS POINT)	N	Unit: degrees-Fahrenheit
Hardware Input 5	Cooling Coil Exit Sensor	RTD & Thermistors	Cooling Coil Temperature Sensor (DO NOT WRITE TO THIS POINT)	N	Unit: degrees-Fahrenheit
Hardware Input 6	Dirty Filter	Digital	Dirty Filter Switch (DO NOT WRITE TO THIS POINT)	N	Boolean (TRUE;FALSE)
Hardware Input 7	Unused_7	Disconnected	DO NOT WRITE TO THIS POINT	N	N/A
Hardware Input 8	Fan On	Digital	Fan On Contact (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Input 9	Burner On	Digital	Burner On Contact (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Input 10	Burner Lockout	Digital	Burner Lockout Contact (DO NOT WRITE TO THIS POINT)	N	Boolean (Lockout;Normal)
Hardware Input 11	Damper Feedback	Linear	Damper Feedback Position (DO NOT WRITE TO THIS POINT)	N	Unit: percent
Hardware Input 12	Building Pressure	Linear	Building Pressure Transmitter (DO NOT WRITE TO THIS POINT)	N	Unit: inches-of-water
Hardware Output 1	Unit Enable	Digital	Unit Enable - Open Damper (DO NOT WRITE TO THIS POINT)	N	Boolean (Enable;Off)
Hardware Output 2	Cooling Stage 3	Digital	Cooling Enable Relay Stage 3 (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Output 3	Enable Burner	Digital	Burner Enable Output (DO NOT WRITE TO THIS POINT)	N	Boolean (Enable;Off)
Hardware Output 4	Common Alarm	Digital	Common Alarm Output (DO NOT WRITE TO THIS POINT)	N	Boolean (Alarm;Normal)
Hardware Output 5	Burner Reset	Digital	Burner Reset Output (DO NOT WRITE TO THIS POINT)	N	Boolean (Reset;Normal)
Hardware Output 6	Cooling_Stage_4	Digital	Cooling Enable Relay Stage 4 (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Output 7	Cooling_Stage_1	Digital	Cooling Enable Stage 1 (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Output 8	Cooling Stage 2	Digital	Cooling Enable Stage 2 (DO NOT WRITE TO THIS POINT)	N	Boolean (On;Off)
Hardware Output 9	VFD Command	Analog 0 - 10 V	Burner Command Signal (DO NOT WRITE TO THIS POINT)	N	Unit: percent
Hardware Output 10	AnalogCoolingOutput	Analog 0 - 10 V	OA/RA Damper Command (DO NOT WRITE TO THIS POINT)	N	Unit: percent
Hardware Output 11	OA/RA Dampers	Analog 0 - 10 V	VFD Command (DO NOT WRITE TO THIS POINT)	N	Unit: percent
Hardware Output 12	Burner Command	Analog 0 - 10 V	Burner Command (DO NOT WRITE TO THIS POINT)	N	Unit: percent
Analog Value 4	ActiveCoolingStages	Analog Value	Current Active Cooling Stage Count	N	N/A
Analog Value 5	Cooling Coil Temperature Sensor	Analog Value	Current Cooling Coil Exit Temperature	N	Unit: degrees-Fahrenheit
Analog Value 51	SpaceTemperature	Analog Value	Current Space Temperature	N	Unit: degrees-Fahrenheit
Analog Value 52	OutsideTemperature	Analog Value	Current Outside Temperature	N	Unit: degrees-Fahrenheit
Analog Value 53	ReturnTemperature	Analog Value	Current Return Temperature	N	Unit: degrees-Fahrenheit
Analog Value 54	DischargeTemperature	Analog Value	Current Discharge Temperature	N	Unit: degrees-Fahrenheit
Analog Value 55	BuildingPressure	Analog Value	Current Building Pressure	N	Unit: inches-of-water
Analog Value 56	EconomizerCommand	Analog Value	Current Economizer Command	N	Unit: percent
Analog Value 57	HeatCommand	Analog Value	Current Heat Command	N	Unit: percent
Analog Value 58	Cooling Command	Analog Value	Current Cooling Command Percent	N	Unit: percent
Analog Value 102	network_OccHeatSetPoint	Analog Value	Occupied Heat Set Point [55 - 90 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 103	network_FanCommand	Analog Value	Unit Fan Command [0-Off/1-On/2-Auto] [USE THIS POINT TO COMMAND THE UNIT ON AND OFF]	Y	N/A
Analog Value 104	network_UnoccHeatSetPoint	Analog Value	Unoccupied Heat Set Point [55 - 90 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 105	network_OccCoolSetPoint	Analog Value	Occupied Cool Set Point [55 - 90 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 106	network_UnoccCoolSetPoint	Analog Value	Unoccupied Cool Set Point [55 - 90 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 107	network_BuildingPressSetPoint	Analog Value	Building Pressure Set Point [-0.1 - 0.1 in/wc]	Y	Unit: inches-of-water
Analog Value 108	network_EconomizerOverride	Analog Value	Economizer Override Command [0% - 100% / '255' for auto]	Y	Unit: percent
Analog Value 109	network_ManualEconPercent	Analog Value	Manual Economizer Command [0% - 100% / not available with Building Pressure Option]	Y	Unit: percent
Analog Value 110	network_TwoSpeedEcon	Analog Value	Two Speed Economizer Command [0-Low/1-High]	Y	N/A
Analog Value 111	network_HeatCoolMode	Analog Value	Heat Cool Mode [0-Air/1-Heat/2-Cool] (only available with cooling)	Y	N/A
Analog Value 112	network_HeatVentMode	Analog Value	Heat Vent Mode [0-Vent/1-Heat] (not available with cooling option)	Y	N/A
Analog Value 113	network_HeatLockout	Analog Value	Heat Lockout Set Point [default 65 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 114	network_CoolLockout	Analog Value	Cooling Lockout Set Point [default 75 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 115	network_LowTempLimit	Analog Value	Low Temp Alarm Set Point [default 40 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 116	network_LowTempTime	Analog Value	Low Temp Alarm Delay Time [default 5 minutes]	Y	Unit: minutes
Analog Value 118	network_MinimumDischarge	Analog Value	Minimum Discharge Temp [default 55 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 119	network_MaximumDischarge	Analog Value	Maximum Discharge Temp [default 90 Fahrenheit]	Y	Unit: degrees-Fahrenheit
Analog Value 122	network_LowEconomizer	Analog Value	Low Economizer Set Point [default 0%]	Y	Unit: percent
Analog Value 123	network_HighEconomizer	Analog Value	High Economizer Set Point [default 100%]	Y	Unit: percent
Analog Value 131	network_BurnerReset	Analog Value	Burner Reset Command [ON_ ON_Toggle]	Y	N/A
Analog Value 132	network_SpaceTemperature	Analog Value	Network Space Temperature [overrides local space temperature - use '255' for automatic unit control]	Y	Unit: degrees-Fahrenheit
Analog Value 133	network_BuildingPressure	Analog Value	Network Building Pressure [overrides local building pressure - use '255' for automatic unit control]	Y	Unit: inches-of-water
Analog Value 134	network_Occupancy	Analog Value	Network Occupancy Command [overrides schedule occupancy - use '255' for automatic unit control]	Y	0 = Occupied / 1 = Unoccupied
Binary Value 16	network_CoolingStage_1	Binary Value	Cooling Status Stage 1	N	Boolean (On;Off)
Binary Value 17	network_CoolingStage_2	Binary Value	Cooling Status Stage 2	N	Boolean (On;Off)
Binary Value 18	network_CoolingStage_3	Binary Value	Cooling Status Stage 3	N	Boolean (On;Off)
Binary Value 19	network_CoolingStage_4	Binary Value	Cooling Status Stage 4	N	Boolean (On;Off)
Binary Value 21	network_FanRunningStatus	Binary Value	Unit Fan Status	N	Boolean (On;Off)
Binary Value 22	network_BurnerOperatingStatus	Binary Value	Unit Burner Status	N	Boolean (On;Off)
Binary Value 51	network_ControlType	Binary Value	Unit Control Type [0 = Discharge / 1 = Space]	Y	Boolean (Space;Discharge)
Binary Value 52	network_CycleOccupied	Binary Value	Cycle To Space Temp when Occupied [0 = No / 1 = Yes]	Y	Boolean (YES;NO)
Binary Value 53	network_CycleUnoccupied	Binary Value	Cycle to Space Temp when Unoccupied [0 = No / 1 = Yes]	Y	Boolean (YES;NO)
Binary Value 54	network_HardwareOutput_1_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 55	network_HardwareOutput_2_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 56	network_HardwareOutput_3_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 57	network_HardwareOutput_4_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 58	network_HardwareOutput_5_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 59	network_HardwareOutput_6_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 60	network_HardwareOutput_7_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 61	network_HardwareOutput_8_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 62	network_HardwareOutput_9_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 63	network_HardwareOutput_10_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 64	network_HardwareOutput_11_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Binary Value 65	network_HardwareOutput_12_Override	Binary Value	Hardware Point Override Alarm	N	Boolean (Alarm;Normal)
Multi State Value 31	network_DirtyFilterAlarm	Multi State Value	Dirty Filter Alarm [MSV Enumerated]	N	Enum: Filters
Multi State Value 32	network_Low_TempAlarm	Multi State Value	Low Temp Alarm [MSV Enumerated]	N	Enum: Alarm / Normal
Multi State Value 33	network_DischargeSensorAlarm	Multi State Value	Discharge Sensor Alarm [MSV Enumerated]	N	Enum: SensorReliability
Multi State Value 34	network_SpaceSensorAlarm	Multi State Value	Space Sensor Alarm [MSV Enumerated]	N	Enum: SensorReliability
Multi State Value 35	network_OutsideSensorAlarm	Multi State Value	Outside Sensor Alarm [MSV Enumerated]	N	Enum: SensorReliability
Multi State Value 36	network_ReturnSensorAlarm	Multi State Value	Return Sensor Alarm [MSV Enumerated]	N	Enum: SensorReliability
Multi State Value 37	network_BurnerLockoutAlarm	Multi State Value	Burner Lockout Alarm [MSV Enumerated]	N	Enum: Alarm / Normal
Multi State Value 38	network_DamperFeedbackAlarm	Multi State Value	Damper Feedback Alarm [MSV Enumerated]	N	Enum: SensorReliability
Multi State Value 39	network_MotorNotRespondingAlarm	Multi State Value	Motor Not Responding Alarm [MSV Enumerated]	N	Enum: Alarm / Normal
Multi State Value 40	network_BurnerNotRespondingAlarm	Multi State Value	Burner Not Responding Alarm [MSV Enumerated]	N	Enum: Alarm / Normal
Multi State Value 41	network_CoolingCoilExitSensorAlarm	Multi State Value	Cooling Coil Sensor Alarm [MSV Enumerated]	N	Enum: SensorReliability



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