Register Type	Register Number	Register Type	Register Address	Parameters	Description	Туре	Units	Values
Holding Registe	40001	Holding	0	Set Temperature Heating	Temperature setpoint hyperstat will heat to when operating mode = heating	uint16	2 x Fahrenheit	120-180 (60.0 - 90.0)
Holding Registe	40002	Holding	1	Set Temperature Cooling	Temperature setpoint hyperstat will cool to when operating mode = cooling	uint16	2 x Fahrenheit	120-180 (60.0 - 90.0)
Holding Registe	40003	Holding	2	Fan Speed	Configure the fan speed of hyperstat	uint8	NA	0 = OFF 1 = AUTO 2 = LOW 3 = MEDIUM 4 = HIGH
Holding Registe	40004	Holding	3	Conditioning Mode	Configure the conditioning mode of the hyperstat	uint8	NA	0 = OFF 1 = AUTO 2 = HEATING 3 = COOLING
Holding Registe	40005	Holding	4	Max Heating User Temp	Maximum heating set temperature user can set	uint16	degrees Fahrenheit	60-90
Holding Registe	40006	Holding	5	Min Heating User Temp	Minimum heating set temperature the user can set	uint16	degrees Fahrenheit	60-90
Holding Registe	40007	Holding	6	Max Cooling User Temp	Maximum cooling set temperature user can set	uint16	degrees Fahrenheit	60-90
Holding Registe	40008	Holding	7	Min Cooling User Temp	Minimum cooling set temperature the user can set	uint16	degrees Fahrenheit	60-90
Holding Registe	40009	Holding	8	Temperature Offset	Offset added to measurement room temperature	int16	1/10 degrees Fahrenheit	-100 - 100 (-10.0 - 10.0)
Holding Registe	40010	Holding	9	Heating Deadband	Amount above set temperature at which heating is activated	uint16	1/10 degrees Fahrenheit	0-100 (0.0-10.0)
Holding Registe	40011	Holding	10	Cooling Deadband	Amount below set temperature at which cooling is activated	uint16	1/10 degrees Fahrenheit	0-100 (0.0-10.0)
Holding Registe	40012	Holding	11	Temperature Mode	Temperature mode defining how temperature setpoints and deadbands can be configured and how they will be applied	uint8	NA	0 = Single Setpoint 1 = Dual Setpoint Fixed Deadband 2 = Dual Setpoint Variable Deadband
Holding Registe	40013	Holding	12	Humidity Min Setpoint	Threshold at which hyperstat will attempt to humidify if humidity level is less than	uint8	%	20-100
Holding Registe	40014	Holding	13	Humidity Max Setpoint	Threshold at which hyperstat will attempt to dehumidify if humidity level is greater than	uint8	%	20-100
Holding Registe	40015	Holding	14	CO2 Alert Threshold	Threshold of CO2 level at which an alert will be indicated	uint16	ppm	400-10000
Holding Registe		Holding	15	VOC Alert Threshold	Threshold of VOC level at which an alert will be indicated	uint16	ppb	0-10000
Holding Registe	40017	Holding	16	PM2.5 Alert Threshold	Threshold of PM2.5 level at which an alert will be indicated	uint16	ug/m3	0-10000

Holding Register	40018	Holding	17	Profile	Profile in which Hyperstat shall run	uint8	0 = None (Conv, Split) 1 = Conventional Package Unit (Conv) 2 = Heat Pump Unit (Conv) 3 = 2 Pipe Fancoil Unit (Conv) 4 = 4 Pipe Fancoil Unit (Conv) 5 = Reserved 6 = Sense (Conv) 7 = CPU + ECO (Split)
Holding Register	40019	Holding	18	Relay 1 Enable	Configure if relay 1 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled
Holding Register	40020	Holding	19	Relay 2 Enable	Configure if relay 2 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled
Holding Register	40021	Holding	20	Relay 3 Enable	Configure if relay 3 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled
Holding Register	40022	Holding	21	Relay 4 Enable	Configure if relay 4 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled
Holding Register	40023	Holding	22	Relay 5 Enable	Configure if relay 5 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled
Holding Register	40024	Holding	23	Relay 6 Enable	Configure if relay 6 is enabled/disabled Note: Not applicable if Hyperstat Split, Profile = CPU +Economizer	bool	0 = Disabled 1 = Enabled

Holding Registe	40025	Holding	24	Relay 1 Mapping	Configure the mapping of relay 1 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage
Holding Registe	40026	Holding	25	Relay 2 Mapping	Configure the mapping of relay 2 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage

Holding Registe	40027	Holding	26	Relay 3 Mapping	Configure the mapping of relay 3 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage
Holding Registe	40028	Holding	27	Relay 4 Mapping	Configure the mapping of relay 4 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage 2

Hold	ing Register	40029	Holding	28	Relay 5 Mapping	Configure the mapping of relay 5 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage
Hold	ing Register	40030	Holding	29	Relay 6 Mapping	Configure the mapping of relay 6 Note: This value is only used if the relay is enabled	uint8	0 = None 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust Fan Stage 1 15 = Exhaust Fan Stage
Hold	ing Register	40031	Holding	30	Analog In 1 Enable	Configure if analog input 1 is enabled/disabled	bool	0 = Disabled 1 = Enabled

								0 = Current 0-10
								1 = Current 0-20
Holding Register	40032	Holding	31		Configure the mapping of analog input 1	uint8		2 = Current 0-50
					Note: This value is only used if the analog input is enabled			3 = Keycard
				Analog In 1 Mapping				4 = Door Window
Holding Pogistor	40033	Holding	32		Configure if analog input 2 is enabled (disabled	hool		0 = Disabled
Holding Register	40033	Holding	32	Analog In 2 Enable	Configure if analog input 2 is enabled/disabled	bool		1 = Enabled
								0 = Current 0-10
					Configure the mapping of analog input 2			1 = Current 0-20
Holding Register	40034	Holding	33		Note: This value is only used if the analog input is enabled	uint8		2 = Current 0-50
					Note. This value is only used if the arialog input is eriabled			3 = Keycard
				Analog In 2 Mapping				4 = Door Window
Holding Register	40035	Holding	34		Configure if analog output 1 is enabled/disabled	bool		0 = Disabled
riolaling register	+0055	Holding	J-	Analog Out 1 Enable	Configure in analog output 1 is chablea/ alsablea	5001		1 = Enabled
								0 = Cooling
					Configure the mapping of analog output 1			1 = Fan Speed
Holding Register	40036	Holding	35		Note: This value is only used if the analog input is enabled	uint8		2 = Heating
					Note. This value is only used if the arialog input is enabled			3 = OAO Damper
				Analog Out 1 Mapping				
Holding Register	40037	Holding	36		Voltage at which the cooler/damper/fan mapped to the analog	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
o. a g eg.ote.				Analog Out 1 At Min Setting	output is at minimum position		2, 20 10:15	0 100 (0.0 10.0)
Holding Register	40038	Holding	37		Voltage at which the cooler/damper/fan mapped to the analog	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
			-	Analog Out 1 At Max Setting	output is at maximum position		-,	(
								0 = Constant Voltage
Holding Register	40039	Holding	38		Determines if PWM channel 1 shall be a pulsed or constant voltage	bool		1 = Pulsed Voltage
		-		Analog Out 1 Pulse Enabled				0.5: 11.1
Holding Register	40040	Holding	39		Configure if analog output 2 is enabled/disabled	bool		0 = Disabled
				Analog Out 2 Enable				1 = Enabled
								0 = Cooling
Haldina Danista	40044	I I a I alian a	40		Configure the mapping of analog output 2			1 = Fan Speed
Holding Register	40041	Holding	40		Note: This value is only used if the analog input is enabled	uint8		2 = Heating
				Analog Out 2 Manning				3 = OAO Damper
				Analog Out 2 Mapping	Voltage at which the cooler/damper/fan mapped to the analog		+	
Holding Register	40042	Holding	41	Analog Out 2 At Min Setting	output is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
		1		Analog Out 2 At Min Setting	Voltage at which the cooler/damper/fan mapped to the analog			
Holding Register	40043	Holding	42	Analog Out 2 At May Sotting		uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
				Analog Out 2 At Max Setting	output is at maximum position			
Holding Register	40044	Holding	43		Determines if PWM channel 2 shall be a pulsed or constant voltage	bool		0 = Constant Voltage
riolallig negister	+0044	Holding	43	Analog Out 2 Pulse Enabled	Determines in P wivi channel 2 shall be a pulsed of Constant voltage	DOOI		1 = Pulsed Voltage
1		1		Alialog Out 2 Pulse Eliabled				0 = Disabled
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Holding Register	40046	Holding	45	Analog Out 3 Mapping	Configure the mapping of analog output 3 Note: This value is only used if the analog input is enabled	uint8		0 = Cooling 1 = Fan Speed 2 = Heating 3 = OAO Damper
Holding Register	40047	Holding	46	Analog Out 3 At Min Setting	Voltage at which the cooler/damper/fan mapped to the analog output is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40048	Holding	47	Analog Out 3 At Max Setting	Voltage at which the cooler/damper/fan mapped to the analog output is at maximum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40049	Holding	48	Analog Out 3 Pulse Enabled	Determines if PWM channel 3 shall be a pulsed or constant voltage	bool		0 = Constant Voltage 1 = Pulsed Voltage
Holding Register	40050	Holding	49	TH1 Airflow Temperature Enable	Enable or disable thermistor input 1 which is used for measuring airflow temperature	bool		0 = Disabled 1 = Enabled
Holding Register	40051	Holding	50	TH2 Enable	Enable or disable thermistor input 2 which is used for measuring airf	bool		0 = Disabled 1 = Enabled
Holding Register	40052	Holding	51	Use TH1 As Room Temp Sensor	When enabled, Hyperstat will use the thermistor connected at TH1 input for determining room/zone temperature instead of the onboard temperature sensor	bool		0 = Disabled 1 = Enabled
Holding Register	40053	Holding	52	Zone CO2 Damper Opening Rate	TBD	uint8	%/100 ppm	0-100
Holding Register	40054	Holding	53	Zone CO2 Threshold	Determines the point where Hyperstat starts controlling dampers to maintain CO2 at target value	uint16	ppm	0-2000
Holding Register	40055	Holding	54	Zone CO2 Target	Target value of CO2	uint16	ppm	0-2000
Holding Register	40056	Holding	55	Proportional Constant	Tuner that produces an output action that is proportional to the deviation between the set point and the measured process value for a PI Loop	uint8	1/100	0-100
Holding Register	40057	Holding	56	Integral Constant	Condition with which the controller output is proportional to the amount of time the error is present	uint8	1/100	0-100
Holding Register	40058	Holding	57	Proportional Temperature Range	Defines the band of temperature, or range of temperature, over which the output of the controller is proportional. Example controlling the damper opertions	uint16	1/10 degrees Fahrenheit	0-100 (0.0-10.0)
Holding Register	40059	Holding	58	Integration Time	Defines the amount of time PI loop in the system integrates the error over a period until error value reaches to zero. It limits the speed of response and affects stability of the system	uint16	minutes	5-100
Holding Register	40060	Holding	59	Unoccupied Setback	Determines how many degrees from the desired temperature the zone will be allowed to drift during unoccupied	uint8) degrees Fahrer	10-200 (1.0-20.0)
Holding Register	40061	Holding	60	Relay Activation Hysteresis	Condition at which relay will turn off after being turned on to control based on load	uint8	%	1-50
Holding Register	40062	Holding	61	Analog Fan Speed Multiplier	Tuner that determines how fast a fan can move based on heating or cooling load	uint8	1/10	1-100 (0.1-10)
Holding Register	40063	Holding	62	Humidity Hysteresis	Tuner that determines a condition at which humidier / dehumidifier will turn off after being turned on to control inside humidity	uint8	%	1-100

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Holding Register	40064	Holding	63	Forced Occupied Time	During unoccupied time in case there is occupancy detected or user interacts with or edits user intent points then system enters in occupied mode for this tuner period only	uint8	minutes	0-255
Holding Register	40065	Holding	64	Auto Away Time	During Occupied period of the zone (Not during preconditioning period), If an Occupant is not detected for this tuner duration, the zone should enter 'Auto Away' mode if occupancy is enabled	uint8	minutes	0-255
Holding Register	40066	Holding	65	Auto Away Zone Setback Temp	Determines how many degrees from the desired temperature the zone will be allowed to drift during auto away	uint8	Degrees Fahrer	10-200 (1.0 - 20.0)
Holding Register	40067	Holding	66	FCU Aux Heating 1 Activate	Represents the difference between the current temp and heating desired temp in which the FCU Aux Heating 1 will activate. For example, if any relay is enabled and associated with Aux Heating State 1, the relay will be activated when currentTemp < Heating Desired Temp - FCU Aux Heating 1 Activate	uint8	Degrees Fahrer	10-100 (1.0 - 10.0)
Holding Register	40068	Holding	67	FCU Aux Heating 2 Activate	Represents the difference between the current temp and heating desired temp in which the FCU Aux Heating 2 will activate. For example, if any relay is enabled and associated with Aux Heating State 2, the relay will be activated when currentTemp < Heating Desired Temp - FCU Aux Heating 2 Activate	uint8	Degrees Fahrer	10-100 (1.0 - 10.0)
Holding Register	40069	Holding	68	FCU Two Pipe Heating Threshold	For a 2 pipe FCU, this tuner determines if the central plant is providing hot water when compared to supply water temp sensor. If Th2 (Supply water sensor) is more than 2pipeFancoilHeatingThreshold (85) then the central plant is providing hot water	uint8	egrees Fahrenhe	70-130
Holding Register	40070	Holding	69	FCU Two Pipe Cooling Threshold	For a 2 pipe FCU, this tuner determines if the central plant is providing cold water when compared to supply water temp sensor. If Th2 (supply water sensor) is less than 2pipeFancoilCoolingThreshold (65) then the central plant is providing cold water	uint8	egrees Fahrenhe	35-70
Holding Register	40071	Holding	70	FCU Water Valve Sampling On Time	If FCU water temperature is greater than FCU Two Pipe Heating Threshold Amount or less than FCU Two Pipe Cooling Threshold, then if the water valve relay has not been enabled for the last FCU Water Valve Sampling Wait Time, this value represents the amount of time the water valve relay will be enabled	uint8	minutes	0-30

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Holding Register	40072	Holding	71	FCU Water Valve Sampling Wait Time	If FCU water temperature is greater than FCU Two Pipe Heating Threshold Amount or less than FCU Two Pipe Cooling Threshold, then if the water valve relay has been enabled for the last FCU Water Valve Sampling On Time, this value represents the amount of time the water valve relay will be disabled	uint8	minutes	5-255
Holding Register	40073	Holding	72	FCU Water Valve Sampling During Loop Deadband On Time	If FCU water temperature is between FCU Two Pipe Heating Threshold and FCU Two Pipe Cooling Threshold, then if the water valve relay has not been enabled for the last FCU Water Valve Sampling During Loop Deadband Wait Time, this value represents the amount of time the water valve relay will be enabled	uint8	minutes	0-30
Holding Register	40074	Holding	73	FCU Water Valve Sampling During Loop Deadband Wait Time	If FCU water temperature is between FCU Two Pipe Heating Threshold and FCU Two Pipe Cooling Threshold, then if the water valve relay has been enabled for the last FCU Water Valve Sampling During Loop Deadband On Time, this value represents the amount of time the water valve relay will be disabled	uint8	minutes	5-255
Holding Register	40075	Holding	74	Enable Force Occupied	Configure if Force Occupied feature is enabled/disabled. If Force Occupied = Enable, the Hyperstat will enter occupied mode for duration defined by Forced Occupied Time when occupancy is detected or user interacts with Hyperstat.	bool		0 = Disabled 1 = Enabled
Holding Register	40076	Holding	75	Enable Auto Away	Configure if Auto Away feature is enabled/disabled. If Auto Away = enabled, the Hyperstat will apply the Auto Away Setback Temps when no motion has been detected for a duration greater than the Auto Away Time	bool		0 = Disabled 1 = Enabled
Holding Register	40077	Holding	76	Unoccupied Mode	Indicates if occupied or unoccupied settings shall be followed	bool		0 = Occupied 1 = Unoccupied
Holding Register	40078	Holding	77	Fail-Safe Time	Determines the amount of time in minutes in which	uint16	minutes	0-65535 where 0 means fail safe will be disable
Holding Register	40079	Holding	78	Show Centigrade	Determine if Hyperstat display shall use units of Celcius or Fahrenheit	bool		0 = Disabled 1 = Enabled
Holding Register	40080	Holding	79	Display CO2	Configures if CO2 sensor value is displayed on Hyperstat home screen	bool		0 = Disabled 1 = Enabled
Holding Register	40081	Holding	80	Display PM2.5	Configures if PM2.5 sensor value is displayed on Hyperstat home screen	bool		0 = Disabled 1 = Enabled
Holding Register	40082	Holding	81	Display VOC	Configures if VOC sensor value is displayed on Hyperstat home screen	bool		0 = Disabled 1 = Enabled
Holding Register	40083	Holding	82	Display Humidity	Configures if Humidity sensor value is displayed on Hyperstat home screen	bool		0 = Disabled 1 = Enabled

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Holding Register	40084	Holding	83	System Time Days	Configures the system time of the Hyperstat in days	uint8		0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday
Holding Register	40085	Holding	84	System Time Buys	Configures the system time of the Hyperstat in hours	uint8	hours	0-23
Holding Register	40086	Holding	85	System Time Minutes	Configures the system time of the Hyperstat in minutes	uint8	minutes	0-59
Holding Register	40087	Holding	86	DeviceReset	Used to perform a hard reset of the Hyperstat. Note: The Hyperstat will perform a hard reset when this value of "Reset" is written	bool		1 = Reset
Holding Register	40088	Holding	87	Enable Onboard Temperature & Humidity Sensor	Used to disable the temperature & humidity sensor present within the Hyperstat device. If set to false, Hyperstat will use temperature & humidity read from sensor bus, if present	bool		0 = Onboard T&H sensor disabled 1 = Onboard T&H sensor enabled
Holding Register	40089	Holding	88	Enable Onboard CO2 & Occupancy Sensor	Used to disable the CO2 & occupancy sensors present within the Hyperstat device. If set to false, Hyperstat will use CO2 & occupancy read from sensor bus, if present	bool		0 = Onboard CO2 & Occupancy sensor disabled 1 = Onboard CO2 & Occupancy sensor enabled
Holding Register	40090	Holding	89	Cooling Stage 1 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40091	Holding	90	Cooling Stage 2 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40092	Holding	91	Cooling Stage 3 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40093	Holding	92	Heating Stage 1 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40094	Holding	93	Heating Stage 2 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40095	Holding	94	Heating Stage 3 Fan Output	Voltage at which the cooler/damper/fan is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40096	Holding	95	Linear Fan Speed Low Level	Percentage	uint8	%	0 - 100
Holding Register	40097	Holding	96	Linear Fan Speed Medium Level	Percentage	uint8	%	0 - 100
Holding Register	40098	Holding	97	Linear Fan Speed High Level	Percentage	uint8	%	0 - 100
Holding Register	40099	Holding	98	Staged Fan Speed Low Level	Percentage	uint8	%	0 - 100
Holding Register	40100	Holding	99	Staged Fan Speed Medium Level	Percentage	uint8	%	0 - 100
Holding Register	40101	Holding	100	Staged Fan Speed High Level	Percentage	uint8	%	0 - 100
Holding Register	40102	Holding	101	Staged Fan Default Analog Out Level	Voltage that should be maintained in aout fan stage during dissipation stage when fan turns off	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
Holding Register	40103	Holding	102	Minimum Fan Runtime Post Conditioning	Time in minutes before switching the fan completely so that heat/cool is completely dissipated	uint8	minutes	0-60

					C. C. Of the 7th of 4/4th L.d.		
					Configure if relay 7 is enabled/disabled		
	40104				Note: The value in this register shall be ignored for Hyperstat Split,		
					Profile = CPU + Economizer. The mapping register contains a		0 = Disabled
Holding Registe		Holding	103	Relay 7 Enable	"Disabled" state	bool	1 = Enabled
					Configure if relay 8 is enabled/disabled		
	40105				Note: The value in this register shall be ignored for Hyperstat Split,		
					Profile = CPU + Economizer. The mapping register contains a		0 = Disabled
Holding Registe		Holding	104	Relay 8 Enable	"Disabled" state	bool	1 = Enabled
	40106						0 = Disabled 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier
					Configure the mapping of relay 7		14 = Exhaust 1
Holding Registe		Holding	105	Relay 7 Mapping	Note: This value is only used if the relay is enabled	uint8	15 = Exhaust 2
Holding Registe	40107	Holding	106	Relay 8 Mapping	Configure the mapping of relay 8 Note: This value is only used if the relay is enabled	uint8	0 = Disabled 1 = Cooling Stage 1 2 = Cooling Stage 2 3 = Cooling Stage 3 4 = Heating Stage 1 5 = Heating Stage 2 6 = Heating Stage 3 7 = Fan Low Speed 8 = Fan Medium Speed 9 = Fan High Speed 10 = Fan Enable 11 = Occupied Enable 12 = Humidifier 13 = Dehumidifier 14 = Exhaust 1 15 = Exhaust 2
TIGITATING TREGISTE		1101uilig	100	neidy o Midphilig	Trote. This value is only used if the relay is chasted	anico	0 = Disabled
1	40108					1	

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								0 = Disabled
								1 = Cooling
	40109							2 = Linear Fan
	10205							3 = Heating
					Configure the mapping of analog output 4			4 = OAO Dampler
Holding Registe		Holding	108	Analog Out 4 Mapping	Note: This value is only used if the analog input is enabled	uint8		5 = Staged Fan
	40110				Voltage at which the cooler/damper/fan mapped to the analog			
Holding Registe	40110	Holding	109	Analog Out 4 At Min Setting	output is at minimum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
	40111				Voltage at which the cooler/damper/fan mapped to the analog			
Holding Registe	40111	Holding	110	Analog Out 4 At Max Setting	output is at maximum position	uint8	1/10 Volts	0 - 100 (0.0 - 10.0)
	40112							0 = Constant Voltage
Holding Registe		Holding	111	Analog Out 4 Pulse Enabled	Determines if PWM channel 4 shall be a pulsed or constant voltage	bool		1 = Pulsed Voltage
								0 = Disabled
								1 = Generic Voltage
								2 = Generic Resistance
								3 = Current 0-10
								4 = Current 0-20
								5 = Current 0-50
								6 = Current 0-100
								7 = Current 0-150
	40113							8 = SAT
								9 = MAT
								10 = OAT
								11 = Filter NO
								12 = Filter NC
								13 = Condensate NO
								14 = Condensate NC
								15 = Pressure 0-1
Holding Registe		Holding	112	Universal Input Mapping 1	Configure the mapping of Universal Input 1	uint8		16 = Pressure 0-2
Holding Registe		i ioiuiiig	112	Omversor input wapping 1	Teeringare the mapping or other sar input 1	41110	1	10 11C33G1C 0 Z

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Holding Registe	40114	Holding	113	Universal Input Mapping 2	Configure the mapping of Universal Input 2	uint8		0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2
Holding Registe	40115	Holding	114	Universal Input Mapping 3	Configure the mapping of Universal Input 3	uint8		0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2

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Holding Registe	40116 F	Holding	115	Universal Input Mapping 4	Configure the mapping of Universal Input 4	uint8	0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-100 7 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NC 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2
Holding Registe	40117	Holding	116	Universal Input Mapping 5	Configure the mapping of Universal Input 5	uint8	0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2

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Holding Registe	40118	Holding	117	Universal Input Mapping 6	Configure the mapping of Universal Input 6	uint8		0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2
Holding Registe	40119	Holding		Universal Input Mapping 7	Configure the mapping of Universal Input 7	uint8		0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1 16 = Pressure 0-2

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	40120							0 = Disabled 1 = Generic Voltage 2 = Generic Resistance 3 = Current 0-10 4 = Current 0-20 5 = Current 0-50 6 = Current 0-150 8 = SAT 9 = MAT 10 = OAT 11 = Filter NO 12 = Filter NC 13 = Condensate NO 14 = Condensate NC 15 = Pressure 0-1
Holding Registe		Holding	119	Universal Input Mapping 8	Configure the mapping of Universal Input 8	uint8		16 = Pressure 0-2
	40121							0 = Disabled 1 = SAT 2 = MAT 3 = OAT
Holding Registe		Holding	120	Sensor Bus Mapping Address 0	Configure the mapping of Connect-Module sensor bus address 0	uint8		4 = Pressure
Holding Registe	40122	Holding		Sensor Bus Mapping Address 1		uint8		0 = Disabled 1 = SAT 2 = MAT 3 = OAT 4 = Pressure
Holding Registe	40123	Holding	122	Sensor Bus Mapping Address 2	Configure the mapping of Connect-Module sensor bus address 2	uint8		0 = Disabled 1 = SAT 2 = MAT 3 = OAT 4 = Pressure
rouning registe	40124	id	122	Secretary and the secretary an	compare the mapping of confect Module School bus duffess 2			0 = Disabled 1 = SAT 2 = MAT 3 = OAT
Holding Registe		Holding	123	Sensor Bus Mapping Address 3	0 11 0	uint8		4 = Pressure
Holding Registe	40125	Holding	124	Economizing to Main Cooling Loop Map	· ·	uint16		0-100
Holding Registe	40126	Holding	125	Economizing Temperature Minimum	When the outside temperature is below this temperature economizer function will not work. DCV will still be active and CO2 levels will determine the OAO damper opening	uint16	Degrees Fahren	0-80

Moding Regist Moding Regis			I	I			1	1	
Holding Registe						When the outside temperature is above this value the economizer			
Holding Registe Holding Holdin		40127				·			
Holding Registe Holding Pagester Holding Register Adults Holding Indiangual Pagester Holding Register Holdin	Holding Registe		Holding	126	Franchizing Temperature Maximum	·	uint16	Degrees Fahrer	0-120
Holding Registe Holding Segiste Holding 128 Economising Humidity Maximum will open the OAD for enthalpy economising. If the outside humidity is above this level the OAD will dose to the minimum value set by DCV. Holding Registe Holding 128 Economising Burnicity Maximum will be delivered the OAD will dose to the minimum value set by DCV. Holding Registe Holding Segiste Holding 128 Economising Dry Bulb Threshold Interest by DCV. Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe 10132 Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe 1020 Holding 129 Durit Compensation Offset economising Functi	Holding Registe		Holding	120	Economizing remperature Maximum	the position determined by the coz level.	umitio	Degrees ramer	0 120
Holding Registe Holding Segiste Holding 128 Economising Humidity Maximum will open the OAD for enthalpy economising. If the outside humidity is above this level the OAD will dose to the minimum value set by DCV. Holding Registe Holding 128 Economising Burnicity Maximum will be delivered the OAD will dose to the minimum value set by DCV. Holding Registe Holding Segiste Holding 128 Economising Dry Bulb Threshold Interest by DCV. Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 128 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe 10132 Holding 129 Durit Compensation Offset economising Function is available if: OAE + DCO < IAE, built 16 Degrees Fahrer 0.70 Holding Registe 1020 Holding 129 Durit Compensation Offset economising Functi		40128				Minimum humidity level that the outside air must be before the			
Moding Registe A0129 Holding 128 Economizing Humidity Maximum Maximum humidity level allowed for enthalpy economizing. If the outside humidity is ablow this level the QAO will close to the winting with safe with level the QAO will close to the minimum value set by DCV. Which is above this level the QAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close to the winting the part of the CAO will close the CAO will clos	Holding Registe	10120	Holding	127	Francmizing Humidity Minimum	1	uint16	%	0-100
Holding Registe 40130 Holding 1.18 Economizing Humidity Maximum minimum value set by DCV. Unit 5 % 0.100 Holding Registe 40130 Holding 1.29 Economizing Dry Bulb Threshold in minimum value set by DCV. Unit 5 % 0.100 Holding Registe 40130 Holding Registe 40131 Holding Registe 40132 Holding Registe 40133 Holding Registe 40134 Holding Registe 40135 Holding Registe 40135 Holding Registe 40135 Holding Registe 40136 Holding 1.33 Echasus fran Triverbold Registe 40136 Holding 1.33 Echasus fran Triverbold Registe 40136 Holding 1.33 Echasus fran Triverbold Registe 40136 Holding Registe 40136 Holding Registe 40136 Holding Registe 40136 Holding Registe 40138 Holdin	Troiding registe				200110111121119111111111111111111111111	, , , , , , , , , , , , , , , , , , , ,			0 200
Holding Registe		40129				, , , , , , , , , , , , , , , , , , , ,			
Holding Registe 40130 Holding 129 Economizing Dry Bulb Threshold This is a compensation factor that is added to the OAE (outside air enthalpy) for the comparison with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCC < IAE, economizing = true	Holding Registe		Holding	128	Economizing Humidity Maximum	· ·	uint16	%	0-100
Holding Registe 40115 Holding 116 Exhaus Fan Threshold Stage 2 containably). Economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is available if: OAE + DCO < IAE, economizer function is av		40130						Degrees Fahrer	
Holding Registe 40115 Holding 116 Enthalpy Duct Compensation Offset economizing - true uint16 BTU/lb 0-10						This is a compensation factor that is added to the OAE (outside air		8	
Holding Registe Holding Re									
Holding Registe 40115 Holding 116 Enthalpy Duct Compensation Offset economizing = true uint16 StrU/Ib O-10									
Holding Registe Holding August 40117 Holding 116 Exhaust Fan Threshold Stage 2 Unit16 % 0-100 Holding Registe 40118 Holding August 40118 Holding Registe 40118 Holding August 50 Holding August 50 Holding Registe 40118 Holding August 50 Holding Aug	Holding Registe	40115	Holding	114	Enthalpy Duct Compensation Offset	1	uint16	BTU/lb	0-10
Holding Registe 40117 Holding 116 Exhaust Fan Threshold Stage 1 Holding Registe 40118 Holding Registe 40119 Holding 117 Exhaust Fan Threshold Stage 2 Unit16 % 0-300 Holding Registe 40120 Holding 118 Exhaust Fan Threshold Stage 2 Unit16 % 0-50 Unit16 % 0-			Ü			00010111121115		-, -	
Holding Registe Holding Registe 40139 Holding Holding Holding Registe 40130 Holding Registe 40131 Holding Registe 40132 Holding Registe 40132 Holding Registe 40133 Holding Holding Registe 40134 Holding Registe 40135 Holding Holding Registe 40135 Holding Holding Registe 40136 Holding Registe 40138 Holding Holding Holding Holding Registe 40138 Holding Holding Holding Registe 40138 Holding Holding Holding Holding Holding Holding Holding Holding Registe 40138 Holding Ho									
Holding Registe 40132 Holding 40131 Holding Registe 40132 Holding 130 Enthalpy Duct Compensation Offset enthalpy). Economizer function is available if: OAE + DCO < IAE, enthalpy Legister 40132 Holding 131 Duct Compensation Offset enthalpy. Economizer function is available if: OAE + DCO < IAE, enthalpy Legister 40133 Holding 131 Duct Compensation Offset enthalpy. Economizer function is available if: OAE + DCO < IAE, enthalpy Legister 40134 Holding Register 40134 Holding Register 40135 Holding Register 40135 Holding 131 Duct Compensation Offset enthalpy. Economizer function is available if: OAE + DCO < IAE, enthalpy Legister 40134 Holding Register 40134 Holding Register 40135 Holding Register 40135 Holding Register 40136 Holding Register 40136 Holding Register 40136 Holding Register 40136 Holding Register 40137 Holding Register 40138 Holding Register 40138 Holding Register 40139 Holding 137 Outside Damper Mixed Air Minimum Popen you would set this value to 20. Woltage that should be maintained in aout fan stage during dissipation stage when fan turns off Fairenheit 1/10 degrees Fa					3			%	
Holding Registe 40120 Holding 119 Outside Damper MATTarget This is a compensation factor that is added to the OAE (outside air enthalpy) for the comparison with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCO < IAE, Holding Register 40132 Holding 131 Out Compensation Offset (economizing = true) Holding Register 40133 Holding 132 Exhaust Fan Stage 1 Threshold (economizing = true) Holding Register 40134 Holding 133 Exhaust Fan Stage 2 Threshold (economizing = true) Holding Register 40135 Holding 134 Exhaust Fan Stage 2 Threshold (economizing = true) Holding Register 40135 Holding 136 Outside Damper Mixed Air Target (economizing = true) Holding Register 40137 Holding 136 Outside Damper Mixed Air Target (economizing = true) Holding Register 40137 Holding 136 Outside Damper Mixed Air Minimum (economizing = true) Holding Register 40138 Holding 137 Outside Damper Mixed Air Minimum (economizing = true) Holding Register 40139 Holding 138 Staged Fan Default Analog Out Level (economizing = true) Holding Register 30001 Input 0 Room Temperature (evel sensor reading (economizing = true) Temperature level sensor reading (economizing = true) Holding Register 30002 Input 1 Humidity Humidity level sensor reading (economizing = true) Holding Register 30004 Input 3 Occupancy Occupancy Status (economizing = true) Holding Register 30005 Input 4 Degrees Fahrenheit (economizing = true) Holding Register 30005 Input 4 Degrees Fahrenheit (economizing = true) Holding Register 30006 Input 3 Occupancy Occupancy Status (economizing = true) Holding Register 30005 Input 4 Degrees Fahrenheit (economizing = true) Holding Register 30006 Input 3 Occupancy Occupancy Status (economizing = true) Holding Register 30006 Input 4 Degrees Fahrenheit (economizing = true) Holding Register 30006 Input 4 Degrees Fahrenheit (economizing = true) Holding Register 30006 Input 4 Degrees Fahrenheit (economizing = true) Holding Register (economizing = true) Holding Register (economizing = true) Holding Registe									
This is a compensation factor that is added to the OAE (outside air enthalpy) for the comparison with IAE (indoor air average enthalpy). Economizer function is available if: OAE + DCO < IAE, uint16 BTU/Ib O-10 Holding Registe					•			Degrees Fahrer	
Holding Registe Holding Registe Holding Holding Registe Holding Register Register Holding Register						This is a compensation factor that is added to the OAE (outside air			
Holding Registe Holding 130 Enthalpy Duct Compensation Offset enthalpy Economizer function is available if: OAE + DCO < IAE, Holding BTU/lb O-10 Holding Registe 40133 Holding 131 Duct Compensation Offset Enthalpy Duct Compensation Offset Holding Registe 40133 Holding 132 Exhaust Fan Stage 1 Threshold									
Holding Registe Holding 130 Enthalpy Duct Compensation Offset economizing = true unit16 BTU/lb 0-10 Holding Registe 40132 Holding 131 Duct Compensation Offset 13		40131							
Holding Registe 40133 Holding 132 Exhaust Fan Stage 1 Threshold Holding Registe 40134 Holding 133 Exhaust Fan Hysteresis 40135 Holding 134 Exhaust Fan Hysteresis 40135 Holding 40135 Holding 135 Outside Damper Mixed Air Target 40137 Holding 40138 Staged Fan Default Analog Out Level 40139 Holding 40138 Staged Fan Default Analog Out Level 40139 Holding 40138 Holding 40138 Holding 40138 Staged Fan Default Analog Out Level 40139 Holding 40138 Holding 40139 Holding 40138 Holding	Holding Registe		Holding	130	Enthalpy Duct Compensation Offset	1	uint16	BTU/lb	0-10
Holding Registe		40132			.,	5			
Holding Registe		40133			•				
Holding Registe Holding Registe Holding 136 Outside Damper Mixed Air Target Holding Registe Holding Registe Holding Registe Holding Registe Holding Registe Holding 137 Outside Damper Mixed Air Minimum Den Position of the economizer actuator. If to meet code you need to have a minimum open position of 20%, then you would set this value to 20. Holding Registe Holding 138 Staged Fan Default Analog Out Level Voltage that should be maintained in aout fan stage during dissipation stage when fan turns off Unit 10 Room Temperature Person Person reading Unit 11 Rumidity Humidity level sensor reading Unit 16 1/10 % Input Register 30002 Input 1 Humidity Humidity level sensor reading Unit 16 1/10 % Input Register 30003 Input 2 CO2 CO2 level sensor reading Unit 16 ppm Input Register 30004 Input 3 Occupancy Occupancy Unit 18 Uni		40134	Holding	133	Exhaust Fan Stage 2 Threshold				
Holding Registe Holding Holding Holding Register Holding Register Holding Register Holding Register Holding Register Holding Holding Holding Holding Holding Register Holding Holding Holding Register Holding Register Holding Register Holding Register Holding Register Holding Holding Holding Holding Holding Register Holding Register Holding Holding Holding Register Holding Holding Interest Register Register Register Holding Holding Register Holding Register Holding Register Holding Register Holding Holding Interest Register Register Register Holding Regist	Holding Registe	40135	Holding	134	Exhaust Fan Hysteresis				
Holding Registe		40136	, ,	135	Outside Damper Mixed Air Target				
Holding Register Holding Register Holding Holding 137 Outside Damper Minimum Open you would set this value to 20. Holding Register Holding Register Holding 138 Staged Fan Default Analog Out Level Minimum Open Default Analog Out Level Holding Register 130001 Input 10 Room Temperature Room Temperature Planting Holding Register 130002 Input 11 Humidity Holding Humidity Register 130003 Input 12 CO2 CO2 Room Temperature Planting Register 130004 Input 13 Occupancy Planting Register 130005 Input 14 Humidity Register 130005 Input 15 Room Temperature Planting Register 130005 Input 15 Room Temperature Room Temperature Register 130005 Input 15 Room Temperature Room Temperature Room Temperature Register 130005 Input 14 Room Temperature Ro	Holding Registe	40137	Holding				uint16	Degrees Fahrer	0-100
Holding Register Holding 137 Outside Damper Minimum Open you would set this value to 20. uint16 % 0-100 Voltage that should be maintained in aout fan stage during Holding Register 30001 Input 0 Room Temperature Planting Humidity Planting Planting Register 30002 Input 1 Humidity Planting Planting Register 30003 Input 2 CO2 CO2 CO2 level sensor reading Planting Planting Register 30004 Input 3 Occupancy Planting Register 30005 Input 4 Planting Planting P			, ,			To set a minimum open position of the economizer actuator. If to			
Holding Register 30001 Input 0 Room Temperature Humidity Humidity level sensor reading Uint16 1/10 % Input Register 30003 Input 2 CO2 CO2 level sensor reading Uint16 ppm Input Register 30004 Input 3 Occupancy Status Input Register 30005 Input 4 Input 4 Input Register 30005 Input 4 Input 8 Input Register 30005 Input 4 Input 8 Input Register 30005 Input 4 Input 8 Input Register 30005 Input 4 Input 8 Inp		40138				meet code you need to have a minimum open position of 20%, then			
Holding Register 40139 Holding 138 Staged Fan Default Analog Out Level dissipation stage when fan turns off Units 1/10 voits 0-100 (0.0-10.0) Input Register 30001 Input 0 Room Temperature Temperature level sensor reading Unit16 1/10 degrees Fahrenheit Input Register 30002 Input 1 Humidity Humidity level sensor reading Unit16 1/10 % Input Register 30003 Input 2 CO2 CO2 CO2 level sensor reading Unit16 ppm Input Register 30004 Input 3 Occupancy Unit16 Decupancy	Holding Registe		Holding	137	Outside Damper Minimum Open	you would set this value to 20.	uint16	%	0-100
Holding Register 40139 Holding 138 Staged Fan Default Analog Out Level dissipation stage when fan turns off Units 1/10 voits 0-100 (0.0-10.0) Input Register 30001 Input 0 Room Temperature Temperature level sensor reading Unit16 1/10 degrees Fahrenheit Input Register 30002 Input 1 Humidity Humidity level sensor reading Unit16 1/10 % Input Register 30003 Input 2 CO2 CO2 CO2 level sensor reading Unit16 ppm Input Register 30004 Input 3 Occupancy Unit16 Decupancy		40420				Voltage that should be maintained in aout fan stage during	0	4/403/-11-	0 400 (0.0 40.0)
Input Register 30001 Input 0 Room Temperature level sensor reading uint16 Fahrenheit Input Register 30002 Input 1 Humidity Humidity level sensor reading uint16 1/10 % Input Register 30003 Input 2 CO2 CO2 level sensor reading uint16 ppm Input Register 30004 Input 3 Occupancy Occupancy Status uint8 Input Register 30005 Input 4 Illuminance level sensor reading uint16 Lux	Holding Registe	40139	Holding	138	Staged Fan Default Analog Out Level		uint8	1/10 Voits	0 - 100 (0.0 - 10.0)
Input Register 30001 Input 0 Room Temperature level sensor reading uint16 Fahrenheit Input Register 30002 Input 1 Humidity Humidity level sensor reading uint16 1/10 % Input Register 30003 Input 2 CO2 CO2 level sensor reading uint16 ppm Input Register 30004 Input 3 Occupancy Occupancy Status uint8 Input Register 30005 Input 4 Illuminance level sensor reading uint16 Lux									
Input Register 30002 Input 1 Humidity Humidity level sensor reading uint16 1/10 % Input Register 30003 Input 2 CO2 CO2 level sensor reading uint16 ppm Input Register 30004 Input 3 Occupancy Occupancy Status uint8 Input Register 30005 Input 4 Input 4 Illuminance level sensor reading uint16 Lux	Lea I Berine	20004		_		T	1.146	1/10 degrees	
Input Register 30003 Input 2 CO2 CO2 level sensor reading uint16 ppm Input Register 30004 Input 3 Occupancy Occupancy Status uint8 Input Register 30005 Input 4 Input 4 Illuminance level sensor reading uint16 Lux	input Register	30001	Input	0	Room Temperature	remperature level sensor reading	uint16	Fahrenheit	
Input Register 30003 Input 2 CO2 CO2 level sensor reading uint16 ppm Input Register 30004 Input 3 Occupancy Occupancy Status uint8 Input Register 30005 Input 4 Input 4 Illuminance level sensor reading uint16 Lux	Lea I Bertine	20002		_	·	11 - 2249 - 12 - 21 - 22 - 22 - 22 - 22	1.146	4/400/	
Input Register 30004 Input 3 Occupancy Occupancy Occupancy Status uint8	Input Register	30002	Input	1	Humidity	Humidity level sensor reading	uint16	1/10 %	
Input Register 30004 Input 3 Occupancy Occupancy Occupancy Status uint8	Lea I Bertine	20002		_		CO2	1.146		
Occupancy Input Register 30005 Input 4 Illuminance level sensor reading uint16 Lux	input Register	30003	Input	2	CO2	CO2 level sensor reading	uint16	ppm	
Occupancy Input Register 30005 Input 4 Illuminance level sensor reading uint16 Lux	Input Posists:	20004	Incut	2		Occupancy Status	uin+0		
Input Register 30005 Input 4 Illuminance Illuminance level sensor reading uint16 Lux	iiiput kegister	30004	input	3	Occupancy	Occupancy Status	uint8		
Illuminance Illuminance Information Inform	Input Pogistor	20005	Innut			Illuminance level concer reading	uin+16	Lux	
	mput negister	30003	πρατ		Illuminance	iliulililalice level selisor reduilig	uiiit16	LUX	

Input Register	30006	Input	5	Ultraviolet Index	Ultraviolet Index sensor reading	uint16		
Input Register	30007	Input	6	Sound	Sound level sensor reading	uint16	dB	
Input Register	30008	Input	7	VOC	Volatile organic compound sensor reading	uint16	ppb	
Input Register	30009	Input	8	PM2.5	PM2.5 level sensor reading	uint16	ug/m3	
Input Register	30010	Input	9	PM10	PM10 level sensor reading	uint16	ug/m3	
Input Register	30011	Input	10	Analog Input 1	Voltage level at analog input 1	uint16	1/10 volts	0-100 (0.0-10.0)
Input Register	30012	Input	11	Analog Input 2	Voltage level at analog input 2	uint16	1/10 volts	0-100 (0.0-10.0)
Input Register	30013	Input	12	Thermistor Input 1	Resistance level reading at thermistor input 1	uint16	1/10 kOhm	
Input Register	30014	Input	13	Thermistor Input 2	Resistance level reading at thermistor input 2	uint16	1/10 kOhm	
Input Register	30015	Input	14	Relay 1	Contains the current value of relay 1	bool		0 = Off 1 = On
Input Register	30016	Input	15	Relay 2	Contains the current value of relay 2	bool		0 = Off 1 = On
Input Register	30017	Input	16	Relay 3	Contains the current value of relay 3	bool		0 = Off 1 = On
Input Register	30018	Input	17	Relay 4	Contains the current value of relay 4	bool		0 = Off 1 = On
Input Register	30019	Input	18	Relay 5	Contains the current value of relay 5	bool		0 = Off 1 = On
Input Register	30020	Input	19	Relay 6	Contains the current value of relay 6	bool		0 = Off 1 = On
Input Register	30021	Input	20	Analog Out 1 Percent	PWM channel 1 output level	uint8	%	0-100
Input Register	30022	Input	21	Analog Out 2 Percent	PWM channel 2 output level	uint8	%	0-100
Input Register	30023	Input	22	Analog Out 3 Percent	PWM channel 3 output level	uint8	%	0-100
Input Register	30024	Input	23	Threshold Alert	Bitmap representing each alert thresold (CO2, VOC, PM2.5)	uint16		Bit Index 0 = CO2 Bit Index 1 = VOC Bit Index 2 = PM2.5
Input Register	30031	Input	30	FW Version Major	Major version number component of FW version string	uint8		0-255
Input Register	30032	Input	31	FW Version Minor	Minor version number component of FW version string	uint8		0-255
Input Register	30033	Input	32	Modbus Address	Address of modbus server	uint8		0-255

								0 = 9600
								1 = 19200
Input Register	30034	Input	33		Configured RS485 baud rate	uint8		2 = 38400
iliput Kegistei	30034	mput	33		Comigured NO-605 badd rate	unito		3 = 57600
				Baud Rate				4 = 115200
				Bada Nate				0 = None
								1 = Odd
Input Register	30035	Input	34		Configured RS485 parity bit	uint8		2 = Even
								3 = Mark
				Parity				4 = Space
								0 = 1 Stop Bit
Input Register	30036	Input	35		Configured RS485 stop bit	uint8		1 = 1.5 Stop Bits
				Stop Bit				2 = 2 Stop Bits
Input Register	30037	Input	36	Pressure	Different pressure from differential pressure sensor if connected	12 bit 1's complement, where bit[11] indicates if value is positive or negative	PSI	-500 - 500
In and Desistan	20020	la acid	27		Contains the summent value of value 7	haal		0 = Off
Input Register	30038	Input	37	Relay 7	Contains the current value of relay 7	bool		1 = On
Input Register	30039	Input	38		Contains the current value of relay 8	bool		0 = Off
iliput Register	30033	mput	30	Relay 8	Contains the current value of relay o	5001		1 = On
Input Register	30034	Input	39	Analog Out 4 Percent	PWM channel 4 output level	uint8	%	0-100
Input Register	30041	Input	40	Universal Input Mode 1	Mode of Universal Input 1	uint16		0 = Voltage 1 = Thermistor
Input Register	30042	Input	41	Universal Input Value 1	Value of Universal Input 1 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30043	Input	42	Universal Input Mode 2	Mode of Universal Input 2	uint16		0 = Voltage 1 = Thermistor
Input Register	30044	Input	43	Universal Input Value 2	Value of Universal Input 2 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)

Input Register	30045	Input	44	Universal Input Mode 3	Mode of Universal Input 3	uint16		0 = Voltage 1 = Thermistor
Input Register	30046	Input	45	Universal Input Value 3	Value of Universal Input 3 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30047	Input	46	Universal Input Mode 4	Mode of Universal Input 4	uint16		0 = Voltage 1 = Thermistor
Input Register	30048	Input	47	Universal Input Value 4	Value of Universal Input 4 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30049	Input	48	Universal Input Mode 5	Mode of Universal Input 5	uint16		0 = Voltage 1 = Thermistor
Input Register	30050	Input	49	Universal Input Value 5	Value of Universal Input 5 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30051	Input	50	Universal Input Mode 6	Mode of Universal Input 6	uint16		0 = Voltage 1 = Thermistor
Input Register	30052	Input	51	Universal Input Value 6	Value of Universal Input 6 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30053	Input	52	Universal Input Mode 7	Mode of Universal Input 7	uint16		0 = Voltage 1 = Thermistor

Input Register	30054	Input	53	Universal Input Value 7	Value of Universal Input 7 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
nput Register	30055	Input	54	Universal Input Mode 8	Mode of Universal Input 8	uint16		0 = Voltage 1 = Thermistor
Input Register	30056	Input	55	Universal Input Value 8	Value of Universal Input 8 If Mode = Voltage, Value represented as millivolts If Mode = Thermistor, Value represented as ohms	uint16	If Mode = Voltage, Units = Millivolts If Mode = Thermistor, Units = Ohms*10	0-10000 (0.0 - 10.0V) 0 - 65000 (0 - 650kOhm)
Input Register	30057	Input	56	Connect-Module Sensor Bus Temperature Average	Average temperature value of all connected sensors on Connect- Module's one-wire sensor bus interface Note: Should be 0 if not connected	uint16	1/10 degrees Fahrenheit	
Input Register	30058	Input	57	Connect-Module Sensor Bus Address 0 Temperature	Temperature value of OWI sensor address 0 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 degrees Fahrenheit	
Input Register	30059	Input	58	Connect-Module Sensor Bus Address 1 Temperature	Temperature value of OWI sensor address 1 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 degrees Fahrenheit	
Input Register	30060	Input	59	Connect-Module Sensor Bus Address 2 Temperature	Temperature value of OWI sensor address 2 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 degrees Fahrenheit	
nput Register	30061	Input	60	Connect-Module Sensor Bus Address 3 Temperature	Temperature value of OWI sensor address 3 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 degrees Fahrenheit	
nput Register	30062	Input	61	Connect-Module Sensor Bus Humidity Average	Average humidity value of all connected sensors on Connect- Module's one-wire sensor bus interface Note: Should be 0 if not connected	uint16	1/10 %	0-1000 (0-100%)
nput Register	30063	Input	62	Connect-Module Sensor Bus Address 0 Humidity	Humidity value of OWI sensor address 0 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 %	0-1000 (0-100%)
nput Register	30064	Input	63	Connect-Module Sensor Bus Address 1 Humidity	Humidity value of OWI sensor address 1 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 %	0-1000 (0-100%)
nput Register	30065	Input	64	Connect-Module Sensor Bus Address 2 Humidity	Humidity value of OWI sensor address 2 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	1/10 %	0-1000 (0-100%)

					Humidity value of OWI sensor address 3 on Connect-Module's			
Input Register	30066	Input	65	Connect-Module Sensor Bus Address 3	sensor bus interface	uint16	1/10 %	0-1000 (0-100%)
input negister	30000	прис	03	Humidity	Note: Should be 0 if not connected	dilitio	1/10 /0	0 1000 (0 100%)
				Transacy	Average CO2 value of all connected sensors on Connect-Module's			
	30067				one-wire sensor bus interface			
Input Pogistor	30007	Innut	66	Connect Module Sensor Bus CO2 Average	Note: Should be 0 if not connected	uint16	PPM	
Input Register		Input	00	Connect-Module Sensor Bus CO2 Average		ullito	PPIVI	
1	20000				CO2 value of OWI sensor address 0 on Connect-Module's sensor			
	30068				bus interface			
Input Register		Input	6/	Connect-Module Sensor Bus Address 0 CO2	Note: Should be 0 if not connected	uint16	PPM	
					CO2 value of OWI sensor address 1 on Connect-Module's sensor			
	30069				bus interface			
Input Register		Input	68	Connect-Module Sensor Bus Address 1 CO2	Note: Should be 0 if not connected	uint16	PPM	
					CO2 value of OWI sensor address 2 on Connect-Module's sensor			
	30070				bus interface			
Input Register		Input	69	Connect-Module Sensor Bus Address 2 CO2	Note: Should be 0 if not connected	uint16	PPM	
					CO2 value of OWI sensor address 3 on Connect-Module's sensor			
	30071				bus interface			
Input Register		Input	70	Connect-Module Sensor Bus Address 3 CO2	Note: Should be 0 if not connected	uint16	PPM	
					Average Pressure value of all connected sensors on Connect-			
	30072			Connect-Module Sensor Bus Pressure	Module's one-wire sensor bus interface			
Input Register		Input	71	Average	Note: Should be 0 if not connected	12 bit 1's complen	PSI	-500 - 500
					Pressure value of OWI sensor address 0 on Connect-Module's			
	30073			Connect-Module Sensor Bus Address 0	sensor bus interface			
Input Register		Input	72	Pressure	Note: Should be 0 if not connected	12 bit 1's complem	PSI	-500 - 500
					Pressure value of OWI sensor address 1 on Connect-Module's			
	30074			Connect-Module Sensor Bus Address 1	sensor bus interface			
Input Register		Input	73	Pressure	Note: Should be 0 if not connected	12 bit 1's complen	PSI	-500 - 500
put itegiste.					Pressure value of OWI sensor address 2 on Connect-Module's	12 5.0 1 5 complem		300 300
	30075			Connect-Module Sensor Bus Address 2	sensor bus interface			
Input Register	30073	Input	74	Pressure	Note: Should be 0 if not connected	12 bit 1's complen	DCI	-500 - 500
iliput Kegistei		прис	/4	Fressure	Pressure value of OWI sensor address 3 on Connect-Module's	12 bit 13 complem	FJI	-300 - 300
				Connect-Module Sensor Bus Address 3	sensor bus interface			
Innut Dogistor	20076	lant	75		Note: Should be 0 if not connected	12 hit 1's samplen	DCI	-500 - 500
Input Register	30076	Input	/5	Pressure	Note: Should be o'll flot connected	12 bit 1's complen	P31	-500 - 500
								0.00.00.00.00.00.00.00.00.00.00.00.00.0
				Constant Mark In Constant Day Cons	Average Occupancy value of all connected sensors on Connect-			0 = Occupant Not
				Connect-Module Sensor Bus Occupancy	Module's one-wire sensor bus interface			Detected
Input Register	30077	Input	76	Average	Note: Should be 0 if not connected	uint16		1 = Occupant Detected
					Occupancy value of OWI sensor address 0 on Connect-Module's			0 = Occupant Not
				Connect-Module Sensor Bus Address 0	sensor bus interface			Detected
Input Register	30078	Input	77	Occupancy	Note: Should be 0 if not connected	uint16		1 = Occupant Detected
					Occupancy value of OWI concer address 1 on Connect Medulals			0 - Occupant Not
				Connect Madula Concer Due Address 4	Occupancy value of OWI sensor address 1 on Connect-Module's			0 = Occupant Not
In most Depolate:	20070		70	Connect-Module Sensor Bus Address 1	sensor bus interface			Detected
Input Register	30079	Input	/8	Occupancy	Note: Should be 0 if not connected	uint16		1 = Occupant Detected

Input Register	30080	Input		Occupancy value of OWI sensor address 2 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	0 = Occupant Not Detected 1 = Occupant Detected
Input Register	30081	Input		Occupancy value of OWI sensor address 3 on Connect-Module's sensor bus interface Note: Should be 0 if not connected	uint16	0 = Occupant Not Detected 1 = Occupant Detected