



Register Type	Register Number	Register Address	Parameters	Description	Range	Remarks
Holding Register	40001	1	System Time	Controls Message Start	NA	NA
Holding Register	40002	2	System Time		NA	NA
Holding Register	40003	3	System Time		NA	NA
Holding Register	40004	4	Set Temperature,		Multiples of 2	In order to set 75deg F, enter 150 deg
Holding Register	40005	5	Damper Position,		NA	NA
Holding Register	40006	6	Analog Out		NA	NA
Holding Register	40007	7	Analog Out		NA	NA
Holding Register	40008	8	Analog Out		NA	NA
Holding Register	40009	9	Analog Out		NA	NA
Holding Register	40010	10	Infrared Cmd,		NA	NA
Holding Register	40011	11	Conditioning Mode,		NA	Enums - 0 = Cooling, 1 = Heating
Holding Register	40012	12	Digital Out		NA	Enums - 0 = Relay OFF, 1 = Relay ON
Holding Register	40013	13	Digital Out		NA	Enums - 0 = Relay OFF, 1 = Relay ON
Holding Register	40014	14	Digital Out		NA	NA
Holding Register	40015	15	Digital Out		NA	NA
Holding Register	40016	16	Reset	Controls Message End	Enums - 0 = Reset wont happen, 1 = Reset will happen	NA

Holding Register	40017	17	Max User	Settings Message Start		Default = 75
Holding Register	40018	18	Min User		NA	Default = 69
Holding Register	40019	19	Max Damper		NA	Default = 100
Holding Register	40020	20	Min Damper		NA	Default = 40
Holding Register	40021	21	Temperature Offset,		-100 to 100, in multiples of 10	Default = 0
Holding Register	40022	22	Forward Motor		NA	NA
Holding Register	40023	23	Reverse Motor		NA	NA
Holding Register	40024	24	Proportional Constant,		0-100, in increments of 10	1/100th of value, Default = 50
Holding Register	40025	25	Integral Constant,		0-100, in increments of 10	1/100th of value, Default = 50
Holding Register	40026	26	Proportional Temperature		0-100, in increments of 10	Multiple of 10, Default = 20
Holding Register	40027	27	Integration Time,		NA	Default = 30 minutes
Holding Register	40028	28	Airflow Heating		NA	Default = 105
Holding Register	40029	29	Airflow Cooling		NA	Default = 60
Holding Register	40030	30	Led Bitmap,		NA	NA
Holding Register	40031	31	Profile Bitmap,		DAB = 1 OAO = 4	Default = 0

Holding Register	40032	32	Lighting Intensity		NA	NA
Holding Register	40033	33	Min Lighting		NA	NA
Holding Register	40034	34	Analog-Out-1		DAMPER_ACTUATOR_NOT_PRESENT0 DAMPER_ACTUATOR_MAT,1 DAMPER_ACTUATOR_2_10V,2 DAMPER_ACTUATOR_0_10V,3 DAMPER_ACTUATOR_10_2V,4 DAMPER_ACTUATOR_10_0V,5 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_PULSED,6 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_ONE_STAGE,7 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_TWO_STAGE,8 DAMPER_ACTUATOR_MAT_REHEAT_2_10 V,9 DAMPER_ACTUATOR_MAT_REHEAT_0_10 V,10 DAMPER_ACTUATOR_MAT_REHEAT_10_2 V,11 DAMPER_ACTUATOR_MAT_REHEAT_10_0 V,12 DAMPER_ACTUATOR_MAT_REHEAT_PULS ED,13	Default = 3 (0-10V)

Holding Register	40035	35	Analog-Out-2	DAMPER_ACTUATOR_NOT_PRESENT0 DAMPER_ACTUATOR_MAT,1 DAMPER_ACTUATOR_2_10V,2 DAMPER_ACTUATOR_0_10V,3 DAMPER_ACTUATOR_10_2V,4 DAMPER_ACTUATOR_10_0V,5 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_PULSED,6 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_ONE_STAGE,7 DAMPER_ACTUATOR_NOT_PRESENT_REHE AT_TWO_STAGE,8 DAMPER_ACTUATOR_MAT_REHEAT_2_10 V,9 DAMPER_ACTUATOR_MAT_REHEAT_0_10 V,10 DAMPER_ACTUATOR_MAT_REHEAT_10_2 V,11 DAMPER_ACTUATOR_MAT_REHEAT_10_0 V,12 DAMPER_ACTUATOR_MAT_REHEAT_PULS ED,13	Default = 3 (0-10V)
Holding Register	40036	36	Room Name	NA	NA
Holding Register	40037	37	Room Name	NA	NA
Holding Register	40038	38	Room Name	NA	NA
Holding Register	40039	39	Room Name	NA	NA

Holding Register	40040	40	Room Name		NA	NA
Holding Register	40041	41	Room Name		NA	NA
Holding Register	40042	42	Room Name		NA	NA
Holding Register	40043	43	Room Name		NA	NA
Holding Register	40044	44	Room Name		NA	NA
Holding Register	40045	45	Room Name		NA	NA
Holding Register	40046	46	Room Name		NA	NA
Holding Register	40047	47	Room Name		NA	NA
Holding Register	40048	48	Room Name		NA	NA
Holding Register	40049	49	Room Name		NA	NA
Holding Register	40050	50	Room Name		NA	NA
Holding Register	40051	51	Room Name		NA	NA
Holding Register	40052	52	Room Name		NA	NA
Holding Register	40053	53	Room Name		NA	NA
Holding Register	40054	54	Room Name		NA	NA
Holding Register	40055	55	Room Name		NA	NA
Holding Register	40056	56	Room Name		NA	NA
Holding Register	40057	57	Room Name		NA	NA
Holding Register	40058	58	Room Name		NA	NA

Holding Register	40059	59	Room Name		NA	NA
Holding Register	40060	60	Room Name		NA	NA
Holding Register	40061	61	Show Centigrade,		Enums - 0 = Disabled, 1 Enabled	Default = 0
Holding Register	40062	62	Display Hold,		NA	NA
Holding Register	40063	63	Military Time,		NA	NA
Holding Register	40064	64	Enable Occupancy		NA	NA
Holding Register	40065	65	Single Stage		NA	NA
Holding Register	40066	66	Single Stage		NA	NA
Holding Register	40067	67	Enable External		NA	NA
Holding Register	40068	68	Beaconing Enabled,	Settings Message End	NA	NA
Holding Register	40069	69	Convert Regs		To enable write 85	Default = 0
Holding Register	40070	70	Set Temperature		NA	NA
Holding Register	40071	71	Set Temperature		NA	NA
Holding Register	40072	72	K Factor	Settings2 Message Start	100-300 in increments of 1	1/100th of K-factor. Used in Velocity Calculation Default = 200
Holding Register	40073	73	Min Cfm		50-4000 in increments of 5	Default - 50
Holding Register	40074	74	Max Cfm		50-4000 in increments of 5	Default - 250
Holding Register	40075	75	Min Cfm		50-4000 in increments of 5	Default - 50
Holding Register	40076	76	Max Cfm		50-4000 in increments of 5	Default - 250

Holding Register	40077	77	Damper Shape,		ENUMS: 0-ROUND, 1-SQUARE, 2-RECTANGULAR	Default - ROUND
Holding Register	40078	78	Condensate Sensor		ENUMS: 0-NORMALLY_OPEN, 1-NORMALLY_CLOSED	Default - NORMALLY_OPEN
Holding Register	40079	79	Damper Size,		4,6,8,10,12,14,16,18,20,22	Provided in Inches. Default - 4
Holding Register	40080	80	Airflow Cfm		0-1500 in increments of 10	Default - 200
Holding Register	40081	81	Airflow Cfm		0-100	1/100th of Value. Default -50
Holding Register	40082	82	Airflow Cfm		1 to 60	Default = 30 minutes
Holding Register	40083	83	Airflow Cfm		0-100	1/100th of Value. Default = 50
Holding Register	40084	84	Enable Cfm,	Settings2 Message End	0 -1	Default - 0. Disabled
Holding Register	40085	85	Reheat To	NA	NA	In tens of value. Default- 90 (9F)
Holding Register	40086	86	Reheat Zone	NA	NA	Default - 90F
Holding Register	40087	87	Zone Status	NA	0-1. 1-Occupied. 0-Unoccupied	Default -1
Holding Register	40088	88	Digital Out	NA	NA	Default = 0

Holding Register	40089	89	Profile Map	NA	PROFILE_MAP_NOT_AVAILABLE, = 0 PROFILE_MAP_VAV_NO_FAN, = 1 PROFILE_MAP_VAV_SERIES_FAN, = 2 PROFILE_MAP_VAV_PARALLEL_FAN, = 3 PROFILE_MAP_VAV_ACTIVE_CHILLED_BEAM, = 4 PROFILE_MAP_VAV_DUAL_DUCT, = 5 PROFILE_MAP_VAV_SMART_VAV, = 6 PROFILE_MAP_GENERIC_PI_CONTROL, = 7 PROFILE_MAP_BYPASS_DAMPER_CONTROL, = 8 PROFILE_MAP_SINGLE_STAGE_EQUIPMENT = 9	Default = 0
Holding Register	40090	90	Num Of,	NA	NA	NA
Input Register	30001	1	Room Temperature	NA	NA	NA
Input Register	30002	2	Airflow 1	NA	NA	NA
Input Register	30003	3	Airflow 2	NA	NA	NA
Input Register	30004	4	Analog Voltage	NA	NA	NA
Input Register	30005	5	Analog Voltage	NA	NA	NA
Input Register	30006	6	Thermistor Input	NA	NA	NA
Input Register	30007	7	Thermistor Input	NA	NA	NA
Input Register	30008	8	Damper Position	NA	NA	NA
Input Register	30009	9	Set Temperature	NA	NA	NA

Input Register	30010	10	Hvac Supply	NA	NA	NA
Input Register	30011	11	Measured Motor	NA	NA	NA
Input Register	30012	12	Measured Motor	NA	NA	NA
Input Register	30013	13	Measured Motor	NA	NA	NA
Input Register	30014	14	Measured Motor	NA	NA	NA
Input Register	30015	15	Sensor Humidity	NA	NA	NA
Input Register	30016	16	Sensor Co2	NA	NA	NA
Input Register	30017	17	Sensor Co	NA	NA	NA
Input Register	30018	18	Sensor No	NA	NA	NA
Input Register	30019	19	Sensor Voc	NA	NA	NA
Input Register	30020	20	Sensor Pressure	NA	NA	NA
Input Register	30021	21	Sensor Occupancy	NA	NA	NA
Input Register	30022	22	Sensor Energy	NA	NA	NA
Input Register	30023	23	Sensor Energy	NA	NA	NA
Input Register	30024	24	Sensor Sound	NA	NA	NA
Input Register	30025	25	Sensor Co2	NA	NA	NA
Input Register	30026	26	Sensor Illuminance	NA	NA	NA
	30027	27	Sensor Uvi	NA	NA	NA
Input Register	30028	28	Sensor Pm2P5	NA	NA	NA

Input Register	30029	29	Sensor Pm10	NA	NA	NA
Holding Register	30030	30	Battery Status	NA	NA	NA
Holding Register	30031	31	Conditioning Mode	NA	NA	NA
Holding Register	30032	32	External Power	NA	NA	NA
Holding Register	30033	33	Node Type	NA	NA	NA
Input Register	30034	34	Damper 1	NA	NA	NA
Input Register	30035	35	Damper 2	NA	NA	NA
Input Register	30036	36	Num Of	NA	NA	NA