

Communication Register Map - Uniflair Cooling



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UG40_mP40_Modbus Variables v. 1.3 - 23.02.11 / SOFTWARE: CDZNEW 3.0 16/02/11

Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
DIGITAL	0	1	1	-	-	-	-
DIGITAL	1	2	2	System On (Fan)	0 or 1	boolean	R
DIGITAL	2	3	3	Compressor 1	0 or 1	boolean	R
DIGITAL	3	4	4	Compressor 2	0 or 1	boolean	R
DIGITAL	4	5	5	Compressor 3	0 or 1	boolean	R
DIGITAL	5	6	6	Compressor 4	0 or 1	boolean	R
DIGITAL	6	7	7	El. Heater 1	0 or 1	boolean	R
DIGITAL	7	8	8	El. Heater 2	0 or 1	boolean	R
DIGITAL	8	9	9	-	-	-	-
DIGITAL	9	10	10	Hot gas ON	0 or 1	boolean	R
DIGITAL	10	11	11	Dehumidification	0 or 1	boolean	R
DIGITAL	11	12	12	Humidification	0 or 1	boolean	R
DIGITAL	12	13	13	Emergency Working	0 or 1	boolean	R
DIGITAL	13	14	14	-	-	-	-
DIGITAL	14	15	15	-	-	-	-
DIGITAL	15	16	16	-	-	-	-
DIGITAL	16	17	17	-	-	-	-
DIGITAL	17	18	18	-	-	-	-
DIGITAL	18	19	19	-	-	-	-
DIGITAL	19	20	20	-	-	-	-
DIGITAL	20	21	21	Wrong Password Alarm	0 or 1	boolean	R
DIGITAL	21	22	22	High Room Temperature Alarm	0 or 1	boolean	R
DIGITAL	22	23	23	Low Room Temperature Alarm	0 or 1	boolean	R
DIGITAL	23	24	24	High Room Humidity Alarm	0 or 1	boolean	R
DIGITAL	24	25	25	Low Room Humidity Alarm	0 or 1	boolean	R
DIGITAL	25	26	26	Room Temp. And Humidity Limits by External Sensors	0 or 1	boolean	R
DIGITAL	26	27	27	Clogged Filter Alarm	0 or 1	boolean	R
DIGITAL	27	28	28	Flooding Alarm	0 or 1	boolean	R
DIGITAL	28	29	29	Loss of Air Flow Alarm	0 or 1	boolean	R
DIGITAL	29	30	30	Heater Overheating Alarm	0 or 1	boolean	R
DIGITAL	30	31	31	Circuit 1 High Pressure Alarm	0 or 1	boolean	R
DIGITAL	31	32	32	Circuit 2 High Pressure Alarm	0 or 1	boolean	R
DIGITAL	32	33	33	Circuit 1 Low Pressure Alarm	0 or 1	boolean	R
DIGITAL	33	34	34	Circuit 2 Low Pressure Alarm	0 or 1	boolean	R
DIGITAL	34	35	35	Circuit 1 Electronic Valve Failure	0 or 1	boolean	R
DIGITAL	35	36	36	Circuit 2 Electronic Valve Failure	0 or 1	boolean	R
DIGITAL	36	37	37	Wrong Phase Sequence Alarm	0 or 1	boolean	R
DIGITAL	37	38	38	Smoke-Fire Alarm	0 or 1	boolean	R
DIGITAL	38	39	39	Interrupted LAN Alarm	0 or 1	boolean	R
DIGITAL	39	40	40	Humidifier: High Current Alarm	0 or 1	boolean	R

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Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
DIGITAL	40	41	41	Humidifier: Low Current Alarm	0 or 1	boolean	R
DIGITAL	41	42	42	Humidifier: Water Loss Alarm	0 or 1	boolean	R
DIGITAL	42	43	43	CW Temperature too High for Dehumidification (circ.1)	0 or 1	boolean	R
DIGITAL	43	44	44	CW Valve Failure or Water Flow too Low	0 or 1	boolean	R
DIGITAL	44	45	45	Loss of Water Flow Alarm	0 or 1	boolean	R
DIGITAL	45	46	46	High Chilled Water Temperature Alarm (circ.1)	0 or 1	boolean	R
DIGITAL	46	47	47	Room Air Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	47	48	48	Hot Water Temp. Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	48	49	49	Chilled Water Temp. Sensor (c.1) Failed/Disconnected	0 or 1	boolean	R
DIGITAL	49	50	50	Outdoor Temperature Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	50	51	51	Delivery Air Temp. Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	51	52	52	Room Humidity Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	52	53	53	Chilled Water Outlet Temp.Sensor (circ.1) Failed/Disconnected	0 or 1	boolean	R
DIGITAL	53	54	54	Compressor 1: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	54	55	55	Compressor 2: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	55	56	56	Compressor 3: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	56	57	57	Compressor 4: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	57	58	58	Air filter: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	58	59	59	Heater 1: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	59	60	60	Heater 2: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	60	61	61	Humidifier: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	61	62	62	Air conditioning unit: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	62	63	63	Alarm by Digital Input 2	0 or 1	boolean	R
DIGITAL	63	64	64	Alarm by Digital Input 4	0 or 1	boolean	R
DIGITAL	64	65	65	Alarm by Digital Input 6	0 or 1	boolean	R
DIGITAL	65	66	66	Humidifier General Alarm	0 or 1	boolean	R
DIGITAL	66	67	67	Unit on Alarm	0 or 1	boolean	R
DIGITAL	67	68	68	Unit on Rotation Alarm	0 or 1	boolean	R
DIGITAL	68	69	69	Unit on Alarm Type A	0 or 1	boolean	R
DIGITAL	69	70	70	Unit on Alarm Type B	0 or 1	boolean	R
DIGITAL	70	71	71	Unit on Alarm Type C	0 or 1	boolean	R
DIGITAL	71	72	72	DX/CW Switch on TC Units	0 or 1	boolean	R/W
DIGITAL	72	73	73	Summer/Winter Switch	0 or 1	boolean	R/W
DIGITAL	73	74	74	-	-	-	-
DIGITAL	74	75	75	-	-	-	-
DIGITAL	75	76	76	Unit ON/OFF Switch	0 or 1	boolean	R/W
DIGITAL	76	77	77	Buzzer and Alarm Unit Reset	0 or 1	boolean	R/W
DIGITAL	77	78	78	Filter Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	78	79	79	Compressor 1 Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	79	80	80	Compressor 2 Run Hours Reset	0 or 1	boolean	R/W

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Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
DIGITAL	80	81	81	Compressor 3 Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	81	82	82	Compressor 4 Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	82	83	83	Compressor 1 Starting Reset	0 or 1	boolean	R/W
DIGITAL	83	84	84	Compressor 2 Starting Reset	0 or 1	boolean	R/W
DIGITAL	84	85	85	Compressor 3 Starting Reset	0 or 1	boolean	R/W
DIGITAL	85	86	86	Compressor 4 Starting Reset	0 or 1	boolean	R/W
DIGITAL	86	87	87	Heater 1 Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	87	88	88	Heater 2 Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	88	89	89	Heater 1 Starting Reset	0 or 1	boolean	R/W
DIGITAL	89	90	90	Heater 2 Starting Reset	0 or 1	boolean	R/W
DIGITAL	90	91	91	Humidifier Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	91	92	92	Humidifier Starting Reset	0 or 1	boolean	R/W
DIGITAL	92	93	93	Unit Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	93	94	94	-	-	-	-
DIGITAL	94	95	95	-	-	-	-
DIGITAL	95	96	96	Setback Mode (Sleep Mode)	0 or 1	boolean	R/W
DIGITAL	96	97	97	Sleep Mode Test	0 or 1	boolean	R/W
DIGITAL	97	98	98	Local/Mean Usage of Values	0 or 1	boolean	R/W
DIGITAL	98	99	99	No. of Stand-by Units	0 or 1	boolean	R
DIGITAL	99	100	100	-	-	-	-
DIGITAL	100	101	101	Unit 2 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	101	102	102	Unit 3 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	102	103	103	Unit 4 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	103	104	104	Unit 5 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	104	105	105	Unit 6 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	105	106	106	Unit 7 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	106	107	107	Unit 8 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	107	108	108	Unit 9 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	108	109	109	Unit 10 on Rotation Alarm (Only for LAN Unit Number 1)	0 or 1	boolean	R
DIGITAL	109	110	110	AFPS: Air Pressure Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	110	111	111	AFPS: Low Air Pressure Alarm	0 or 1	boolean	R
DIGITAL	111	112	112	Expansion Board Offline	0 or 1	boolean	R
DIGITAL	112	113	113	EEPROM Failure	0 or 1	boolean	R
DIGITAL	113	114	114	Compensation Enabled (with delivery temp. regulation)	0 or 1	boolean	R/W
DIGITAL	114	115	115	High Delivery Temperature Alarm	0 or 1	boolean	R
DIGITAL	115	116	116	Humidifier: High Conductivity Alarm	0 or 1	boolean	R
DIGITAL	116	117	117	Humidifier: Low Production	0 or 1	boolean	R
DIGITAL	117	118	118	Humidifier: Drain Malfunction (lock)	0 or 1	boolean	R
DIGITAL	118	119	119	Humidifier: Bottle Full Of Water Alarm (lock)	0 or 1	boolean	R
DIGITAL	119	120	120	Humidifier: Mandatary Maintenance (lock)	0 or 1	boolean	R

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Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
DIGITAL	120	121	121	CW Temperature too High for Dehumidification (circ.2)	0 or 1	boolean	R
DIGITAL	121	122	122	High Chilled Water Temperature Alarm (circ.2)	0 or 1	boolean	R
DIGITAL	122	123	123	Dual Coil: Expansion Board Not Connected	0 or 1	boolean	R
DIGITAL	123	124	124	Chilled Water Temp.(c.2) Sensor Failed/Disconnected	0 or 1	boolean	R
DIGITAL	124	125	125	CW Outlet Temp.Sensor (circ.2) Failed/Disconnected	0 or 1	boolean	R
DIGITAL	125	126	126	Manual Mode	0 or 1	boolean	R
DIGITAL	126	127	127	Supply Frequency Not Detected Alarm	0 or 1	boolean	R
DIGITAL	127	128	128	Exclude from Rotatation	0 or 1	boolean	R/W
DIGITAL	128	129	129	MODE CW+DX: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	129	130	130	MODE DX: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	130	131	131	MODE CW: hour counter threshold Alarm	0 or 1	boolean	R
DIGITAL	131	132	132	MODE CW+DX: Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	132	133	133	MODE DX: Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	133	134	134	MODE CW: Run Hours Reset	0 or 1	boolean	R/W
DIGITAL	134	135	135	Cond. Pressure Sensor (circ.1) Failed/Disconnected	0 or 1	boolean	R
DIGITAL	135	136	136	Cond. Pressure Sensor circ.2 Failed/Disconnected	0 or 1	boolean	R
ANALOG	0	1	1	-	-	-	-
ANALOG	1	2	2	Room Temperature	-	°F x 10	R
ANALOG	2	3	3	Outdoor Temperature	-	°F x 10	R
ANALOG	3	4	4	Delivery Air Temperature	-	°F x 10	R
ANALOG	4	5	5	Chilled Water Temperature (circ.1)	-	°F x 10	R
ANALOG	5	6	6	Hot Water Temperature	-	°F x 10	R
ANALOG	6	7	7	Room Relative Humidity	-	rH% x 10	R
ANALOG	7	8	8	Outlet Chilled Water Temperature	-	°F x 10	R
ANALOG	8	9	9	Circuit 1 Evaporating Pressure	-	psi x 10	R
ANALOG	9	10	10	Circuit 2 Evaporating Pressure	-	psi x 10	R
ANALOG	10	11	11	Circuit 1 Suction Temperature	-	°F x 10	R
ANALOG	11	12	12	Circuit 2 Suction Temperature	-	°F x 10	R
ANALOG	12	13	13	Circuit 1 Evaporating Temperature	-	°F x 10	R
ANALOG	13	14	14	Circuit 2 Evaporating Temperature	-	°F x 10	R
ANALOG	14	15	15	Circuit 1 Superheat	-	°F x 10	R
ANALOG	15	16	16	Circuit 2 Superheat	-	°F x 10	R
ANALOG	16	17	17	Cold Water Valve Ramp (circ.1)	-	% x 10	R
ANALOG	17	18	18	Hot Water Valve Ramp	-	% x 10	R
ANALOG	18	19	19	Evaporating Fan Speed	-	% x 10	R
ANALOG	19	20	20	-	-	-	-
ANALOG	20	21	21	Cooling Setpoint w/ Return Air Temperature Control Cooling Setpoint w/ Delivery Air Temperature Control	170 - 350 140 - 350	°F x 10	R/W
ANALOG	21	22	22	Cooling Sensitivity w/ Return Air Temperature Control Cooling Sensitivity w/ Delivery Air Temperature Control	5 - 99 60 - 500	°F x 10	R/W

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Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
ANALOG	22	23	23	Second Cooling Setpoint w/ Return Air Temperature Control Second Cooling Setpoint w/ Delivery Air Temperature Control	170 - 350 60 - 500	°F x 10	R/W
ANALOG	23	24	24	Heating Setpoint	120 - 300	°F x 10	R/W
ANALOG	24	25	25	Second Heating setpoint	120 - 300	°F x 10	R/W
ANALOG	25	26	26	Heating Sensitivity	5 - 99	°F x 10	R/W
ANALOG	26	27	27	High Room Temperature Alarm Threshold	20 - 40	°F	R/W
ANALOG	27	28	28	Low Room Temperature Alarm Threshold	0 - 32	°F	R/W
ANALOG	28	29	29	Setback Mode: Cooling Setpoint	200 - 350	°F x 10	R/W
ANALOG	29	30	30	Setback Mode: Heating Setpoint	50 - 240	°F x 10	R/W
ANALOG	30	31	31	CW Setpoint to Start Dehumidification	50 - 200	°F x 10	R/W
ANALOG	31	32	32	CW High Temperature Alarm Threshold (c.1)	50 - 800	°F x 10	R/W
ANALOG	32	33	33	CW Setpoint to start CW Operating Mode (Only TC Units)	70 - 250	°F x 10	R/W
ANALOG	33	34	34	Radcooler Setpoint in Energy Saving Mode	50 - 240	°F x 10	R/W
ANALOG	34	35	35	Radcooler Setpoint in DX Mode	15 - 40	°F	R/W
ANALOG	35	36	36	Delivery Temperature Low Limit Setpoint(1)	10 - 25	°F	R/W
ANALOG	36	37	37	Delta Temperature for Automatic Mean/Local Changeover	0 - 99	°F	R/W
ANALOG	37	38	38	-	-	-	-
ANALOG	38	39	39	-	-	-	-
ANALOG	39	40	40	-	-	-	-
ANALOG	40	41	41	-	-	-	-
ANALOG	41	42	42	-	-	-	-
ANALOG	42	43	43	-	-	-	-
ANALOG	43	44	44	-	-	-	-
ANALOG	44	45	45	-	-	-	-
ANALOG	45	46	46	-	-	-	-
ANALOG	46	47	47	-	-	-	-
ANALOG	47	48	48	-	-	-	-
ANALOG	48	49	49	-	-	-	-
ANALOG	49	50	50	-	-	-	-
ANALOG	50	51	51	LAN Unit 2 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	51	52	52	LAN Unit 3 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	52	53	53	LAN Unit 4 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	53	54	54	LAN Unit 5 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	54	55	55	LAN Unit 6 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	55	56	56	LAN Unit 7 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	56	57	57	LAN Unit 8 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	57	58	58	LAN Unit 9 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	58	59	59	LAN Unit 10 Room Temperature (Only for LAN Unit Number 1)	-	°F x 10	R
ANALOG	59	60	60	-	-	-	-
ANALOG	60	61	61	LAN Unit 2 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R

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Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
ANALOG	61	62	62	LAN Unit 3 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	62	63	63	LAN Unit 4 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	63	64	64	LAN Unit 5 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	64	65	65	LAN Unit 6 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	65	66	66	LAN Unit 7 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	66	67	67	LAN Unit 8 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	67	68	68	LAN Unit 9 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	68	69	69	LAN Unit 10 Room Humidity (Only for LAN Unit Number 1)	-	rH% x 10	R
ANALOG	69	70	70	AFPS: Air Pressure	-	Pa x 10	R
ANALOG	70	71	71	AFPS: Setpoint	0 - 1000	Pa x 10	R/W
ANALOG	71	72	72	AFPS: Dead Band	0 - 1000	Pa x 10	R/W
ANALOG	72	73	73	AFPS: Regulation Band	0 - 9999	Pa x 10	R/W
ANALOG	73	74	74	AFPS: Alarm Threshold	0 - 1000	Pa x 10	R/W
ANALOG	74	75	75	Compensation: Room Temperature (T1) (With Delivery Temp. Regulation)	170 - 350	°F x 10	R/W
ANALOG	75	76	76	Compensation: Setpoint 2 (SP2) (With Delivery Temp. Regulation)	170 - 350	°F x 10	R/W
ANALOG	76	77	77	Compensation: Room Temperature (T2) (With Delivery Temp. Regulation)	170 - 350	°F x 10	R/W
ANALOG	77	78	78	Cold Water Valve Ramp (circ.2)	-	% x 10	R
ANALOG	78	79	79	CW High Temperature Alarm Threshold (c.2)	50 - 800	°F x 10	R/W
ANALOG	79	80	80	Humidifier 0-10V Ramp	-	% x 10	R
ANALOG	80	81	81	Chilled Water Temperature (circ.2)	-	°F x 10	R
ANALOG	81	82	82	Room Temperature Mean Value	-	°F x 10	R
ANALOG	82	83	83	Room Relative Humidity Mean Value	-	rH% x 10	R
ANALOG	83	84	84	Room Absolute Humidity	-	g/Kg x 10	R
ANALOG	84	85	85	Dehumidification Setpoint	10 - 200	g/Kg x 10	R/W
ANALOG	85	86	86	Dehumidification Prop.Band	1 - 99	g/Kg x 10	R/W
ANALOG	86	87	87	Setback Mode: Dehumidification Setpoint	93 - 200	g/Kg x 10	R/W
ANALOG	87	88	88	High Humidity Alarm Threshold	75 - 200	g/Kg x 10	R/W
ANALOG	88	89	89	Humidification Setpoint	10 - 200	g/Kg x 10	R/W
ANALOG	89	90	90	Humidification Prop.Band	1 - 99	g/Kg x 10	R/W
ANALOG	90	91	91	Setback Mode: Humidification Setpoint	10 - 110	g/Kg x 10	R/W
ANALOG	91	92	92	Low Humidity Alarm Threshold	10 - 120	g/Kg x 10	R/W
ANALOG	92	93	93	Condensing Pressure (Circuit 1)	-	psi x 10	R
ANALOG	93	94	94	Condensing Pressure Circuit 2	-	psi x 10	R
ANALOG	94	95	95	Condensing Temperature (Circuit 1)	-	°F x 10	R
ANALOG	95	96	96	Condensing Temperature (Circuit 2)	-	°F x 10	R
INTEGER	0	209	5001	-	-	-	-
INTEGER	1	210	5002	Air Filter Run Hours	-	h	R
INTEGER	2	211	5003	Unit Run Hours	-	h	R
INTEGER	3	212	5004	Compressor 1 Run Hours	-	h	R
INTEGER	4	213	5005	Compressor 2 Run Hours	-	h	R

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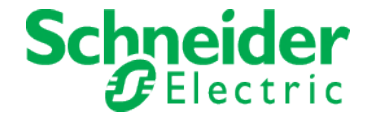
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INTEGER	5	214	5006	Compressor 3 Run Hours	-	h	R
INTEGER	6	215	5007	Compressor 4 Run Hours	-	h	R
INTEGER	7	216	5008	Heater 1 Run Hours	-	h	R
INTEGER	8	217	5009	Heater 2 Run Hours	-	h	R
INTEGER	9	218	5010	Humidifier Run Hours	-	h	R
INTEGER	10	219	5011	-	-	-	-
INTEGER	11	220	5012	-	-	-	-
INTEGER	12	221	5013	Dehumidification Prop.Band	3 - 15	rH%	R/W
INTEGER	13	222	5014	Humidification Prop.Band	3 - 20	rH%	R/W
INTEGER	14	223	5015	High Humidity Alarm Threshold	40 - 99	rH%	R/W
INTEGER	15	224	5016	Low Humidity Alarm Threshold	0 - 65	rH%	R/W
INTEGER	16	225	5017	Dehumidification Setpoint	10 - 90	rH%	R/W
INTEGER	17	226	5018	Setback Mode: Dehumidification Setpoint	50 - 90	rH%	R/W
INTEGER	18	227	5019	Humidification Setpoint	10 - 90	rH%	R/W
INTEGER	19	228	5020	Setback Mode: Humidification Setpoint	20 - 60	rH%	R/W
INTEGER	20	229	5021	Restart Delay	0 - 300	sec	R/W
INTEGER	21	230	5022	Regulation Start Transitory	15 - 200	sec	R/W
INTEGER	22	231	5023	Low Pressure Delay	30 - 240	sec	R/W
INTEGER	23	232	5024	Temp./Humid.Limits Alarm Delay	0 - 99	min	R/W
INTEGER	24	233	5025	Anti-Hunting Constant	0 - 30	min	R/W
INTEGER	25	234	5026	Stand-by Cycle Base Time	0 - 999	h	R/W
INTEGER	26	235	5027	-	-	-	-
INTEGER	27	236	5028	Number of LAN Units	1 - 10	n	R/W
INTEGER	28	237	5029	Fan: Cicle Time (Sleep mode)	15 - 99	min	R/W
INTEGER	29	238	5030	Circuit 1 Electronic Valve Position	-	step	R
INTEGER	30	239	5031	Circuit 2 Electronic Valve Position	-	step	R
INTEGER	31	240	5032	AFPS: Integral time	0 - 999	s	R/W
INTEGER	32	241	5033	AFPS: Derivative Time	0 - 999	s	R/W
INTEGER	33	242	5034	AFPS: Fan Min. Speed (mode CW)	40 - 100	%	R/W
INTEGER	34	243	5035	AFPS: Fan Max Speed	40 - 100	%	R/W
INTEGER	35	244	5036	AFPS: Alarm Delay	0 - 999	s	R/W
INTEGER	36	245	5037	High Delivery Temp. Alarm Threshold	10 - 40	°F	R/W
INTEGER	37	246	5038	Day	-	-	R
INTEGER	38	247	5039	Month	-	-	R
INTEGER	39	248	5040	Year	-	-	R
INTEGER	40	249	5041	-	-	-	-
INTEGER	41	250	5042	-	-	-	-
INTEGER	42	251	5043	Hour	-	-	R
INTEGER	43	252	5044	Minute	-	-	R
INTEGER	44	253	5045	AFPS: Fan Min. Speed (mode DX)	40 - 100	%	R/W

Communication Register Map - Uniflair Cooling



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UG40_mP40_Modbus Variables v. 1.3 - 23.02.11 / SOFTWARE: CDZNEW 3.0 16/02/11

Data Type	Carel Address	MODBUS RTU Address	MODBUS TCP/IP Address	Description	Range	Units ¹	Variable Type
INTEGER	45	254	5046	-	-	-	-
INTEGER	46	255	5047	-	-	-	-
INTEGER	47	256	5048	-	-	-	-
INTEGER	48	257	5049	MODE CW+DX Run Hours	-	h	R
INTEGER	49	258	5050	MODE DX Run Hours	-	h	R
INTEGER	50	259	5051	MODE CW Run Hours	-	h	R

Note 1: Analog and Integer data will display in units based on language selection