



Modbus Register Map: Uniflair™ SP Cooling Units

Part Number: 990-91237

Notes:

1. 16-bit registers (INT16, UINT16, ENUM) are transmitted MSB first (i.e., big-endian).
2. INT32 and UINT32 are most-significant word in n+0, least significant word in n+1 (i.e. big-endian).
3. Reads can be performed with function codes 3, or 4. Writes can be performed with function code 16, or with function code 6 to registers with length 1.
4. Modbus serial RTU and Modbus over TCP is supported.
5. Signed numbers (INT16, INT32, ENUM) are twos-compliment
6. Status bits are atomic within a single Modbus register. User should not look for consistency across multiple registers, only within a single register.
7. Strings are two characters per register, first character in high-order byte, second character in low-order byte. Printable ASCII only.
8. When writing an ASCII string the null terminator must be included.
9. Single-register reads of reserved or undefined registers will return an error. Block reads which begin with a valid register will not return an error but will return zeros for undefined registers.
10. Data Type column:
 - "INT16" = signed 16-bit integer,
 - "UINT16" = unsigned 16-bit integer,
 - "INT32" = signed 32-bit integer,
 - "UINT32" = unsigned 32-bit integer,
 - "ENUM" = signed 16-bit integer which maps to a defined list of states,
 - "ASCII" = the printable ASCII subset from 0x20 - 0x7E,
 - "STREAM" = raw data ranging from 0x00 - 0xFF.
11. "Absolute Starting Register Address" = 0 (the column heading used in this table) is equivalent to "Register 40001" in Modicon terminology, which is address zero when transmitted over the wire.
12. Accesses to items before data is available will result in an invalid address error.
13. Response Timeout Guide: A single register response is typically less than 100 ms; however, reading a large number of registers may take 2 seconds or more.

Modicon Standard Register Number (6 digit)	Absolute Starting Register Number (Hexadecimal)	Absolute Starting Register Number (Decimal)	Data Point	R/W	Register Length (1 = 2 bytes)	Data Type	Scale	Units	Valid Response
System ID									
400001	0000	0	Model Number	R	15	ASCII			
400016	000F	15	Serial Number	R	10	ASCII			
400026	0019	25	Firmware Revision	R	12	ASCII			
400038	0025	37	Hardware Revision	R	4	ASCII			
400042	0029	41	Manufacture Date	R	6	ASCII			
400048	002F	47	Development Firmware Revision	R	16	ASCII			
400064	003F	63	Ctlr Bootloader Rev	R	15	ASCII			
400079	004E	78	PIC 1 F/W Rev	R	20	ASCII			
400099	0062	98	PIC 1 Bootloader Rev	R	10	ASCII			
400109	006C	108	PIC 2 F/W Rev	R	20	ASCII			
400129	0080	128	PIC 2 Bootloader Rev	R	10	ASCII			
Unit Status									

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401001	03E8	1000	Unit State	R	1	ENUM			0 = Initializing; 1 = Delaying; 2 = Maintenance; 3 = Off; 4 = Standby; 5 = No Demand; 6 = Cooling; 7 = Free Cooling; 8 = Idle; 9 = Unknown
401002	03E9	1001	Group State	R	1	ENUM			0 = Primary ; 1 = Standby; 2 = Assist
401003	03EA	1002	Unit	R	1	ENUM			0 = Off; 1 = On
401004	03EB	1003	Free Cooling Damper	R	1	UINT16	0	%	
Environment Status (US)									
401101	044C	1100	Room Temperature	R	1	INT16	1	F	
401102	044D	1101	Average Room Temperature	R	1	INT16	1	F	
401103	044E	1102	Supply Temperature	R	1	INT16	1	F	
401104	044F	1103	Outdoor Air Temperature	R	1	INT16	1	F	
401105	0450	1104	Average Outdoor Air Temperature	R	1	INT16	1	F	
401106	0451	1105	Outdoor Dewpoint Temperature	R	1	INT16	1	F	
401107	0452	1106	Average Outdoor Dewpoint Temperature	R	1	INT16	1	F	
401108	0453	1107	Outdoor Air Humidity	R	1	INT16	1	%RH	
401109	0454	1108	Average Outdoor Air Humidity	R	1	INT16	1	%RH	
Compressor Status (US)									
401201	04B0	1200	Compressor	R	1	ENUM			0 = Off; 1 = On
401202	04B1	1201	Condensing Temperature	R	1	INT16	1	F	
401203	04B2	1202	Discharge Pressure	R	1	INT16	1	psi	
Fan Status (US)									
401301	0514	1300	Comanded Evap. Fan Speed	R	1	UINT16	0	%	
401302	0515	1301	Comanded Cond. Fan Speed	R	1	UINT16	0	%	
Environment Status (Metric)									
401401	0578	1400	Room Temperature	R	1	INT16	1	C	
401402	0579	1401	Average Room Temperature	R	1	INT16	1	C	
401403	057A	1402	Supply Temperature	R	1	INT16	1	C	
401404	057B	1403	Outdoor Air Temperature	R	1	INT16	1	C	
401405	057C	1404	Average Outdoor Air Temperature	R	1	INT16	1	C	
401406	057D	1405	Outdoor Dewpoint Temperature	R	1	INT16	1	C	
401407	057E	1406	Average Outdoor Dewpoint Temperature	R	1	INT16	1	C	
401408	057F	1407	Outdoor Air Humidity	R	1	INT16	1	%RH	
401409	0580	1408	Average Outdoor Air Humidity	R	1	INT16	1	%RH	
Compressor Status (Metric)									
401501	05DC	1500	Compressor	R	1	ENUM			0 = Off; 1 = On

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401502	05DD	1501	Condensing Temperature	R	1	INT16	1	C	
401503	05DE	1502	Discharge Pressure	R	1	INT16	1	bar	
Fan Status (Metric)									
401601	0640	1600	Comanded Evap. Fan Speed	R	1	UINT16	0	%	
401602	0641	1601	Comanded Cond. Fan Speed	R	1	UINT16	0	%	
Discrete Input Status									
401701	06A4	1700	Remote Shutdown Active	R	1	ENUM			0 = No; 1 = Yes
401702	06A5	1701	Airflow Good	R	1	ENUM			0 = No; 1 = Yes
401703	06A6	1702	Air Filter Clogged	R	1	ENUM			0 = No; 1 = Yes
401704	06A7	1703	Compressor On	R	1	ENUM			0 = No; 1 = Yes
401705	06A8	1704	Low Suction Pressure	R	1	ENUM			0 = No; 1 = Yes
401706	06A9	1705	Smoke/Fire Detected	R	1	ENUM			0 = No; 1 = Yes
401707	06AA	1706	Condenser Powered	R	1	ENUM			0 = No; 1 = Yes
401708	06AB	1707	Condensate Pan Full	R	1	ENUM			0 = No; 1 = Yes
Run Hours									
401801	0708	1800	System Run Hours	R	2	UINT32	0	hr	
401803	070A	1802	Compressor Run Hours	R	2	UINT32	0	hr	
401805	070C	1804	Free Cooling Run Hours	R	2	UINT32	0	hr	
401807	070E	1806	Air Filter Run Hours	R	2	UINT32	0	hr	
401809	0710	1808	Evaporator Fan 1 Run Hours	R	2	UINT32	0	hr	
401811	0712	1810	Evaporator Fan 2 Run Hours	R	2	UINT32	0	hr	
401813	0714	1812	Evaporator Fan 3 Run Hours	R	2	UINT32	0	hr	
401815	0716	1814	Condenser Fan 1 Run Hours	R	2	UINT32	0	hr	
401817	0718	1816	Condenser Fan 2 Run Hours	R	2	UINT32	0	hr	
Service Intervals									
401901	076C	1900	Air Filter Service Alarm Enable	R/W	1	ENUM			0 = Disabled; 1 = Enabled
401902	076D	1901	Air Filter Service Interval	R/W	1	UINT16	0	weeks	
401903	076E	1902	Reset Air Filter Service Alarm	R/W	1	ENUM			0 = No; 1 = Yes
401904	076F	1903	Unit Service Alarm Enable	R	1	ENUM			0 = Disabled; 1 = Enabled
401905	0770	1904	Unit Service Alarm Interval	R	1	UINT16	0	weeks	
401906	0771	1905	Reset Unit Service Alarm	R	1	ENUM			0 = No; 1 = Yes
Run Hours Reset									
402001	07D0	2000	System Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402002	07D1	2001	Compressor Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402003	07D2	2002	Free Cooling Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402004	07D3	2003	Air Filter Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402005	07D4	2004	Evaporator Fan 1 Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset

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402006	07D5	2005	Evaporator Fan 2 Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402007	07D6	2006	Evaporator Fan 3 Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402008	07D7	2007	Condenser Fan 1 Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
402009	07D8	2008	Condenser Fan 2 Run Hours	R/W	1	ENUM			0 = Not Reset; 1 = Reset
Environment Configuration (US)									
402101	0834	2100	Altitude	R/W	1	INT16	0	ft	
402102	0835	2101	Room Air Temperature Low Threshold	R/W	1	UINT16	1	F	
402103	0836	2102	Room Air Temperature High Threshold	R/W	1	UINT16	1	F	
402104	0837	2103	Supply Temperature High Threshold	R/W	1	UINT16	1	F	
402105	0838	2104	Room Setpoint	R/W	1	UINT16	1	F	
Environment Configuration (Metric)									
402201	0898	2200	Altitude	R/W	1	INT16	0	m	
402202	0899	2201	Room Air Temperature Low Threshold	R/W	1	UINT16	1	C	
402203	089A	2202	Room Air Temperature High Threshold	R/W	1	UINT16	1	C	
402204	089B	2203	Supply Temperature High Threshold	R/W	1	UINT16	1	C	
402205	089C	2204	Room Setpoint	R/W	1	UINT16	1	C	
Unit Configuration									
402301	08FC	2300	Startup Delay	R/W	1	UINT16	0	sec	
402302	08FD	2301	Warn when unit is off	R/W	1	ENUM			0 = No; 1 = Yes
402303	08FE	2302	Fan Mode	R/W	1	ENUM			0 = Auto; 1 = On
402304	08FF	2303	Fan Speed	R/W	1	ENUM			0 = Low; 1 = High
402305	0900	2304	Free Cooling Enable	R/W	1	ENUM			0 = No; 1 = Yes
402306	0901	2305	Free Cooling Mode	R/W	1	ENUM			0 = Fixed Dry Bulb; 1 = Differential Dry Buld; 2 = Fixed Enthalpy
402307	0902	2306	Smoke/Fire Normal State	R/W	1	ENUM			0 = Normally Open; 1 = Normally Closed
402308	0903	2307	Remote Shutdown Normal State	R/W	1	ENUM			0 = Normally Open; 1 = Normally Closed
402309	0904	2308	Reset Active Alarms	R/W	1	ENUM			0 = No; 1 = Yes
Group Configuration									
402401	0960	2400	Number of Units in Group	R/W	1	UINT16	0		
402402	0961	2401	Number of Standby Units	R/W	1	UINT16	0		
402403	0962	2402	Preferred Role	R/W	1	ENUM			0 = Automatic; 1 = Primary
402404	0963	2403	Cooling Assist	R/W	1	ENUM			0 = Disabled; 1 = Enabled
402405	0964	2404	Room Temperature Mode	R/W	1	ENUM			0 = Local; 1 = Average
402406	0965	2405	Run Time Balancing	R/W	1	ENUM			0 = Disabled; 1 = Enabled
402407	0966	2406	Switchover Handoff Time	R/W	1	UINT16	0	min	

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402408	0967	2407	Switchover Mode	R/W	1	ENUM			0 = Runtime Difference; 1 = Time Relative; 2 = Day of Week
402409	0968	2408	Runtime Balancing Difference	R/W	1	UINT16	0	hr	
402410	0969	2409	Relative Switchover Time	R/W	1	UINT16	0	min	
402411	096A	2410	Relative Switchover Time	R/W	1	UINT16	0	hr	
402412	096B	2411	Relative Switchover Time	R/W	1	UINT16	0	days	
402413	096C	2412	Day of Week Switchover Time	R/W	1	UINT16	0	min	
402414	096D	2413	Day of Week Switchover Time	R/W	1	UINT16	0	hr	
402415	096E	2414	Day of Week Switchover Time	R/W	1	ENUM			0 = Sun; 1 = Mon; 2 = Tue; 3 = Wed; 4 = Thr; 5 = Fri; 6 = Sat
Service Configuraion									
402501	09C4	2500	Capacity	R	1	ENUM			-1 = Not Configured; 0 = 6kW; 1 = 12kW
402502	09C5	2501	Direct Free Cooling Present	R	1	ENUM			0 = No; 1 = Yes
402503	09C6	2502	Low Fan Speed	R	1	UINT16	0	%	
402504	09C7	2503	High Fan Speed	R	1	UINT16	0	%	
402505	09C8	2504	Air Proving Inhibit Time	R	1	UINT16	0	sec	
402506	09C9	2505	Compressor Stage Delay	R	1	UINT16	0	sec	
402507	09CA	2506	Free Cooling Minimum Damper Position	R	1	UINT16	0	%	
402508	09CB	2507	Free Cooling Maximum Damper Position	R	1	UINT16	0	%	
402509	09CC	2508	External Condenser PID Gain Coefficient	R	1	UINT16	2		
402510	09CD	2509	External Condenser PID Integral Coefficient	R	1	UINT16	2		
402511	09CE	2510	Ext. Condenser PID Derivative	R	1	UINT16	2		
Service Configuration (US)									
402601	0A28	2600	Room Air Temperature Deadband	R	1	UINT16	1	F	
402602	0A29	2601	Condenser Setpoint	R	1	UINT16	1	F	
402603	0A2A	2602	Cooling Assist Threshold	R	1	UINT16	1	F	
402604	0A2B	2603	Outdoor Air Temperature Offset	R	1	INT16	1	F	
402605	0A2C	2604	Outdoor Humidity Ratio Threshold	R	1	UINT16	1	gr/lbm	
402606	0A2D	2605	Outside Air Temperature Threshold	R	1	UINT16	1	F	
Service Configuration (Metric)									
402701	0A8C	2700	Room Air Temperature Deadband	R	1	UINT16	1	C	
402702	0A8D	2701	Condenser Setpoint	R	1	UINT16	1	C	
402703	0A8E	2702	Cooling Assist Threshold	R	1	UINT16	1	C	
402704	0A8F	2703	Outdoor Air Temperature Offset	R	1	INT16	1	C	
402705	0A90	2704	Outdoor Humidity Ratio Threshold	R	1	UINT16	1	g/Kg	

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402706	0A91	2705	Outside Air Temperature Threshold	R	1	UINT16	1	C	
Rotate On Event Setup									
403001	0BB8	3000	Any Alarm	R/W	1	ENUM			0 = No; 1 = Yes
403002	0BB9	3001	Critical Alarm	R/W	1	ENUM			0 = No; 1 = Yes
403003	0BBA	3002	Unexpected Number Of Units In Group	R/W	1	ENUM			0 = No; 1 = Yes
403004	0BBB	3003	Room Air High Temperature Threshold	R/W	1	ENUM			0 = No; 1 = Yes
403005	0BBC	3004	Room Air Low Temperature Threshold	R/W	1	ENUM			0 = No; 1 = Yes
403006	0BBD	3005	Supply Air High Temperature Threshold	R/W	1	ENUM			0 = No; 1 = Yes
403007	0BBE	3006	Off Due to Input Contact	R/W	1	ENUM			0 = No; 1 = Yes
403008	0BBF	3007	Unit is in Maintenance Mode	R/W	1	ENUM			0 = No; 1 = Yes
403009	0BC0	3008	No Standby Units Available	R/W	1	ENUM			0 = No; 1 = Yes
403010	0BC1	3009	Compressor Low Evaporating Temperature	R/W	1	ENUM			0 = No; 1 = Yes
403011	0BC2	3010	Compressor High Evaporating Temperature	R/W	1	ENUM			0 = No; 1 = Yes
403012	0BC3	3011	Outdoor Air Humidity Sensor Error	R/W	1	ENUM			0 = No; 1 = Yes
403013	0BC4	3012	Room Air Sensor Error	R/W	1	ENUM			0 = No; 1 = Yes
403014	0BC5	3013	Supply Air Sensor Error	R/W	1	ENUM			0 = No; 1 = Yes
403015	0BC6	3014	Outdoor Temperature Sensor Error	R/W	1	ENUM			0 = No; 1 = Yes
403016	0BC7	3015	Condensing Temperature Sensor Error	R/W	1	ENUM			0 = No; 1 = Yes
403017	0BC8	3016	Air Filter Clogged	R/W	1	ENUM			0 = No; 1 = Yes
403018	0BC9	3017	Controller EEPROM Write Error	R/W	1	ENUM			0 = No; 1 = Yes
403019	0BCA	3018	Air Filter Service Required	R/W	1	ENUM			0 = No; 1 = Yes
403020	0BCB	3019	Unit Service Required	R/W	1	ENUM			0 = No; 1 = Yes
403021	0BCC	3020	Off Due to User Action	R/W	1	ENUM			0 = No; 1 = Yes
403022	0BCD	3021	Output Relay 1	R/W	1	ENUM			0 = No; 1 = Yes
403023	0BCE	3022	Output Relay 2	R/W	1	ENUM			0 = No; 1 = Yes
403024	0BCF	3023	Output Relay 3	R/W	1	ENUM			0 = No; 1 = Yes
403025	0BD0	3024	Output Relay 4	R/W	1	ENUM			0 = No; 1 = Yes
403026	0BD1	3025	Unit Configuration Not Completed - Personality	R/W	1	ENUM			0 = No; 1 = Yes
403027	0BD2	3026	Compressor High Head Pressure Switch Tripped	R/W	1	ENUM			0 = No; 1 = Yes
403028	0BD3	3027	PIC 1 Firmware Revision Incompatibility	R/W	1	ENUM			0 = No; 1 = Yes
403029	0BD4	3028	PIC 2 Firmware Revision Incompatibility	R/W	1	ENUM			0 = No; 1 = Yes
403030	0BD5	3029	Compressor Persistent Low Evaporating Temperature	R/W	1	ENUM			0 = No; 1 = Yes
403031	0BD6	3030	Compressor Persistent High Evaporating Temperature	R/W	1	ENUM			0 = No; 1 = Yes

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403032	OBD7	3031	Economizer Damper Error	R/W	1	ENUM		0 = No; 1 = Yes
403033	OBD8	3032	Minimum or Maximum Value Reset Due to Overlap	R/W	1	ENUM		0 = No; 1 = Yes
Alarm Data								
404001	OFA0	4000	Overall Status	R	1	ENUM		0 = OK State; 1 = Info State; 2 = Warning State; 3 = Critical State
404005	OFA4	4004	Unexpected Number of Units in Group	R	1	ENUM		0 = Clear; 1 = Alarm
404006	OFA5	4005	Room Air High Temperature Threshold Exceeded	R	1	ENUM		0 = Clear; 1 = Alarm
404007	OFA6	4006	Room Air Low Temperature Threshold Exceeded	R	1	ENUM		0 = Clear; 1 = Alarm
404008	OFA7	4007	Supply Air High Temperature Threshold Exceeded	R	1	ENUM		0 = Clear; 1 = Alarm
404009	OFA8	4008	Off Due to Input Contact	R	1	ENUM		0 = Clear; 1 = Alarm
404010	OFA9	4009	Unit is in Maintenance Mode	R	1	ENUM		0 = Clear; 1 = Alarm
404011	OFAA	4010	No Standby Units Available	R	1	ENUM		0 = Clear; 1 = Alarm
404012	OFAB	4011	Compressor Low Evaporating Temperature	R	1	ENUM		0 = Clear; 1 = Alarm
404013	OFAc	4012	Compressor High Evaporating Temperature	R	1	ENUM		0 = Clear; 1 = Alarm
404014	OFAc	4013	Outdoor Air Humidity Sensor Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404015	OFAE	4014	Room Air Sensor Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404016	OFAF	4015	Supply Air Sensor Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404017	OFB0	4016	Outdoor Temperature Sensor Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404018	OFB1	4017	Condensing Temperature Sensor Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404019	OFB2	4018	Smoke/Fire Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404020	OFB3	4019	Condensate Pan Full	R	1	ENUM		0 = Clear; 1 = Alarm
404021	OFB4	4020	Low Airflow	R	1	ENUM		0 = Clear; 1 = Alarm
404022	OFB5	4021	Air Filter Clogged	R	1	ENUM		0 = Clear; 1 = Alarm
404023	OFB6	4022	Controller EEPROM Write Error	R	1	ENUM		0 = Clear; 1 = Alarm
404024	OFB7	4023	Air Filter Service Required	R	1	ENUM		0 = Clear; 1 = Alarm
404025	OFB8	4024	Unit Service Required	R	1	ENUM		0 = Clear; 1 = Alarm
404026	OFB9	4025	Idle Due to Error	R	1	ENUM		0 = Clear; 1 = Alarm
404027	OFBA	4026	Off Due to User Action	R	1	ENUM		0 = Clear; 1 = Alarm
404028	OFBB	4027	Output Relay 1 Abnormal	R	1	ENUM		0 = Clear; 1 = Alarm
404029	OFBC	4028	Output Relay 2 Abnormal	R	1	ENUM		0 = Clear; 1 = Alarm

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404030	0FBD	4029	Output Relay 3 Abnormal	R	1	ENUM		0 = Clear; 1 = Alarm
404031	0FBE	4030	Output Relay 4 Abnormal	R	1	ENUM		0 = Clear; 1 = Alarm
404032	0FBF	4031	Unit Configuration Not Completed - Personality	R	1	ENUM		0 = Clear; 1 = Alarm
404033	0FC0	4032	Compressor High Head Pressure Switch Tripped	R	1	ENUM		0 = Clear; 1 = Alarm
404034	0FC1	4033	PIC 1 Firmware Incompatibility Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404035	0FC2	4034	PIC 2 Firmware Incompatibility Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404036	0FC3	4035	Compressor Persistent Low Evaporating Temperature	R	1	ENUM		0 = Clear; 1 = Alarm
404037	0FC4	4036	Compressor Persistent High Evaporating Temperature	R	1	ENUM		0 = Clear; 1 = Alarm
404038	0FC5	4037	Condenser is Not Powered	R	1	ENUM		0 = Clear; 1 = Alarm
404039	0FC6	4038	Economizer Damper Error Detected	R	1	ENUM		0 = Clear; 1 = Alarm
404040	0FC7	4039	Minimum or Maximum Value Reset Due to Overlap	R	1	ENUM		0 = Clear; 1 = Alarm
Enable Alarm Setup								
405001	1388	5000	Unexpected Number Of Units In Group	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405002	1389	5001	Room Air High Temperature Threshold	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405003	138A	5002	Room Air Low Temperature Threshold	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405004	138B	5003	Supply Air High Temperature Threshold	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405005	138C	5004	Off Due to Input Contact	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405006	138D	5005	Unit is in Maintenance Mode	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405007	138E	5006	No Standby Units Available	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405008	138F	5007	Compressor Low Evaporating Temperature	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405009	1390	5008	Compressor High Evaporating Temperature	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405010	1391	5009	Outdoor Air Humidity Sensor Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405011	1392	5010	Room Air Sensor Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405012	1393	5011	Supply Air Sensor Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405013	1394	5012	Outdoor Temperature Sensor Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405014	1395	5013	Condensing Temperature Sensor Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405015	1396	5014	Smoke/Fire	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405016	1397	5015	Condensate Pan Full	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405017	1398	5016	Low Airflow	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405018	1399	5017	Air Filter Clogged	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405019	139A	5018	Controller EEPROM Write Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405020	139B	5019	Air Filter Service Required	R/W	1	ENUM		0 = Disabled; 1 = Enabled

Modbus Register Map: Uniflair SP Cooling Units

405021	139C	5020	Unit Service Required	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405022	139D	5021	Idle Due to Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405023	139E	5022	Off Due to User Action	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405024	139F	5023	Output Relay 1	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405025	13A0	5024	Output Relay 2	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405026	13A1	5025	Output Relay 3	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405027	13A2	5026	Output Relay 4	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405028	13A3	5027	Unit Configuration Not Completed - Personality	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405029	13A4	5028	Compressor High Head Pressure Switch Tripped	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405030	13A5	5029	PIC 1 Firmware Revision Incompatibility	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405031	13A6	5030	PIC 2 Firmware Revision Incompatibility	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405032	13A7	5031	Compressor Persistent Low Evaporating Temperature	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405033	13A8	5032	Compressor Persistent High Evaporating Temperature	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405034	13A9	5033	Condenser is Not Powered	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405035	13AA	5034	Economizer Damper Error	R/W	1	ENUM		0 = Disabled; 1 = Enabled
405036	13AB	5035	Minimum or Maximum Value Reset Due to Overlap	R/W	1	ENUM		0 = Disabled; 1 = Enabled

Worldwide Customer Support

Customer support for this or any other Schneider Electric product is available at no charge in any of the following ways:

- * Visit the Schneider Electric Web site to access documents in the Knowledge Base and to submit customer support requests.
 - www.schneider-electric.com (Corporate Headquarters) Connect to localized Schneider Electric Web sites for specific countries, each of which provides customer support information.
 - www.schneider-electric.com/support/ - Global support searching Knowledge Base and using e-support.
- * Contact the Schneider Electric Customer Support Center by telephone or e-mail.
 - Local, country-specific centers: go to www.schneider-electric.com > Support > Operations around the world for contact information.