



# Modbus Register Map: Uniflair LE

Part number: 990-4762B

**Notes:**

- 16-bit registers are transmitted MSB first (i.e., big-endian).
- Reads can be performed with function codes 1, 2, 3, or 4. Writes can be performed with function code 5 (single) or 15 (multiple) for discrete items and 6 (single) and 16 (multiple) for integers/analog items.
- Signed numbers are two's-complement
- Data Type column: INT16 = signed 16-bit integer  
 UINT16 = unsigned 16-bit integer  
 INT1 = signed 1-bit integer  
 UINT1 = unsigned 1-bit integer.
- "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.
- Accesses to items before data is available will result in an invalid address error.
- 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.  
 If timeouts occur, reduce the number of registers in each request or increase the response timeout.
- Available data points will depend on unit configuration.
- For use with the pCO5+ controller: Uniflair LE Direct Expansion and HDCV units only.**

Modicon Standard Register Number	Base 1 Starting Register Number (Decimal)	Absolute Starting Register Number, (Decimal)	Absolute Starting Register Number, (Hexadecimal)	Data Point	R/W	Length	Data Type	Units	Valid Response
<b>Discrete Input/Output</b>									
00002	2	1	0001	Fans	R	1	UINT1	ENUM	0 = Off, 1 = On
00003	3	2	0002	Compressor 1	R	1	UINT1	ENUM	0 = Off, 1 = On
00004	4	3	0003	Compressor 2	R	1	UINT1	ENUM	0 = Off, 1 = On
00005	5	4	0004	Compressor 3	R	1	UINT1	ENUM	0 = Off, 1 = On
00006	6	5	0005	Compressor 4	R	1	UINT1	ENUM	0 = Off, 1 = On
00007	7	6	0006	Electric Heater 1	R	1	UINT1	ENUM	0 = Off, 1 = On
00008	8	7	0007	Electric Heater 2	R	1	UINT1	ENUM	0 = Off, 1 = On
00010	10	9	0009	Hot Gas Reheat	R	1	UINT1	ENUM	0 = Off, 1 = On
00011	11	10	000A	Dehumidification	R	1	UINT1	ENUM	0 = Off, 1 = On
00012	12	11	000B	Humidification	R	1	UINT1	ENUM	0 = Off, 1 = On
00013	13	12	000C	Emergency Working	R	1	UINT1	ENUM	0 = Off, 1 = On
00022	22	21	0015	High Temperature Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00023	23	22	0016	Low Temperature Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00024	24	23	0017	High Humidity Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00025	25	24	0018	Low Humidity Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00026	26	25	0019	External Sensors Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00027	27	26	001A	Air Filter Clogged	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00028	28	27	001B	Water Detected Fault	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00029	29	28	001C	Low Airflow	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00030	30	29	001D	Electric Heater Over Temperature	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00031	31	30	001E	Circuit 1 High Pressure	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00032	32	31	001F	Circuit 2 High Pressure	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00033	33	32	0020	Circuit 1 Low Pressure	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00034	34	33	0021	Circuit 2 Low Pressure	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00035	35	34	0022	Circuit 1 Electronic Expansion Valve Error	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00036	36	35	0023	Circuit 2 Electronic Expansion Valve Error	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00037	37	36	0024	Wrong Phase Sequence Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00038	38	37	0025	Smoke Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00039	39	38	0026	Unexpected Number of Units in LAN	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00040	40	39	0027	Humidifier High Current	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00041	41	40	0028	Humidifier Low Current	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00042	42	41	0029	Humidifier Water Loss	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00043	43	42	002A	Circuit 1 Chilled Water Temperature too High for Dehumidification	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00045	45	44	002C	No Chilled Water Flow	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00046	46	45	002D	Circuit 1 Chilled Water High Temperature Threshold Exceeded	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00047	47	46	002E	Return Air Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00048	48	47	002F	Hot Water Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00049	49	48	0030	Circuit 1 Entering Chilled Water Temperature Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00050	50	49	0031	Outdoor Temperature Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00051	51	50	0032	Supply Air Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00052	52	51	0033	Humidity Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00053	53	52	0034	Circuit 1 Leaving Chilled Water Temperature Sensor Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00054	54	53	0035	Compressor 1 Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00055	55	54	0036	Compressor 2 Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00056	56	55	0037	Compressor 3 Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00057	57	56	0038	Compressor 4 Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00058	58	57	0039	Air Filter Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00059	59	58	003A	Heater 1 Run Hours Violation	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm

Uniflair LE Modbus Register Map

Modicon Standard Register Number	Base 1 Starting Register Number (Decimal)	Absolute Starting Register Number, (Decimal)	Absolute Starting Register Number, (Hexadecimal)	Data Point	R/W	Length	Data Type	Units	Valid Response
00060	60	59	003B	Heater 2 Run Hours Violation	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00061	61	60	003C	Humidifier Run Hours Violation	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00062	62	61	003D	Unit Run Hours Violation	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00063	63	62	003E	Digital 2 Input Abnormal	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00064	64	63	003F	Digital 4 Input Abnormal	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00065	65	64	0040	Digital 6 Input Abnormal	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00066	66	65	0041	Humidifier Error	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00067	67	66	0042	Unit on Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00068	68	67	0043	Unit in Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00069	69	68	0044	Unit in Type A Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00070	70	69	0045	Unit in Type B Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00071	71	70	0046	Unit in Type C Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00072	72	71	0047	Preferred Cooling Mode	R/W	1	UIINT1	ENUM	0 = DX, 1 = CW
00076	76	75	004B	Standby / On	R/W	1	UIINT1	ENUM	0 = Standby, 1 = On
00077	77	76	004C	Alarm Reset	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00078	78	77	004D	Reset Air Filter Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00079	79	78	004E	Reset Compressor 1 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00080	80	79	004F	Reset Compressor 2 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00081	81	80	0050	Reset Compressor 3 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00082	82	81	0051	Reset Compressor 4 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00087	87	86	0056	Reset Heater 1 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00088	88	87	0057	Reset Heater 2 Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00091	91	90	005A	Reset Humidifier Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00093	93	92	005C	Reset Unit Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00096	96	95	005F	Sleep Mode	R/W	1	UIINT1	ENUM	0 = Disable, 1 = Enable
00097	97	96	0060	Sleep Mode Fan Cycle	R/W	1	UIINT1	ENUM	0 = Disable, 1 = Enable
00098	98	97	0061	Sensor Values Used	R/W	1	UIINT1	ENUM	0 = Local, 1 = Mean
00099	99	98	0062	Number of Standby Units	R	1	UIINT1	ENUM	0 = 1 Unit, 2 Units
00100	100	99	0063	High Airflow	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00101	101	100	0064	Unit 2 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00102	102	101	0065	Unit 3 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00103	103	102	0066	Unit 4 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00104	104	103	0067	Unit 5 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00105	105	104	0068	Unit 6 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00106	106	105	0069	Unit 7 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00107	107	106	006A	Unit 8 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00108	108	107	006B	Unit 9 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00109	109	108	006C	Unit 10 on Rotation Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00110	110	109	006D	AFPS: Air Pressure Sensor Error Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00111	111	110	006E	AFPS: Low Air Pressure Threshold Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00112	112	111	006F	Expansion Board Error Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00113	113	112	0070	EEPROM Error Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00114	114	113	0071	Temperature Compensation	R/W	1	UIINT1	ENUM	0 = Disable, 1 = Enable
00115	115	114	0072	Supply Air Temperature Threshold Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00116	116	115	0073	Humidifier High Conductivity Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00117	117	116	0074	Humidifier Low Steam Production	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00118	118	117	0075	Humidifier Drain Error	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00119	119	118	0076	Humidifier Water Level Too High	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00120	120	119	0077	Humidifier Mandatory Maintenance Required	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00126	126	125	007D	Manual Mode Enabled	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00127	127	126	007E	Input Power Frequency Not Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00128	128	127	007F	Exclude from Rotation	R/W	1	UIINT1	ENUM	0 = Include, 1 = Exclude
00129	129	128	0080	CW+DX Mode Run Hours Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00130	130	129	0081	DX Mode Run Hours Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00131	131	130	0082	CW Mode Run Hours Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00132	132	131	0083	CW DX Run Hours Reset	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00133	133	132	0084	DX Run Hours Reset	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00134	134	133	0085	CW Run Hours Reset	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00135	135	134	0086	Circuit 1 Discharge Pressure Sensor Error Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00136	136	135	0087	Circuit 2 Discharge Pressure Sensor Error Detected	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00137	137	136	0088	Dehumidification Mode Run Hours Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00138	138	137	0089	Dehumidification Mode Run Hours	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00139	139	138	008A	Standby Mode Run Hours Exceeded	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm
00140	140	139	008B	Standby Run Hours Reset	R/W	1	UIINT1	ENUM	0 = na, 1 = Reset
00141	141	140	008C	Twin Cool Mode	R	1	UIINT1	ENUM	0 = DX, 1 = CW
00145	145	144	0090	Double Power Supply: Line A Off Alarm	R	1	UIINT1	ENUM	0 = Ok, 1 = Alarm

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Modicon Standard Register Number	Base 1 Starting Register Number (Decimal)	Absolute Starting Register Number, (Decimal)	Absolute Starting Register Number, (Hexadecimal)	Data Point	R/W	Length	Data Type	Units	Valid Response
00146	146	145	0091	Double Power Supply: Line B Off Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00208	208	207	00CF	Master Control Not Connected Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00209	209	208	00D0	CPY: Mn: Maintenance Required Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00210	210	209	00D1	CPY: EC: High Supply Water Conductivity Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00211	211	210	00D2	CPY: E1: Configuration Parameters Corrupted Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00212	212	211	00D3	CPY: E0: Internal Error Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00213	213	212	00D4	CPY: EH: High Current Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00214	214	213	00D5	CPY: EP: Low Production Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00215	215	214	00D6	CPY: EU: High Level and no Fill Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00216	216	215	00D7	CPY: E3: Wiring of External Demand Faulty Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00217	217	216	00D8	CPY: EF: Lack of Supply Water Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00218	218	217	00D9	CPY: Ed: Drain Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00219	219	218	00DA	CPY: CY: Maintenance Time Expired Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00220	220	219	00DB	CPY: EC: High Supply Water Conductivity Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00221	221	220	00DC	CPY: EA: Foam Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00222	222	221	00DD	CPY: CP: Clean Cylinder Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00223	223	222	00DE	CPY: CL: Replace Cylinder Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00224	224	223	00DF	CPY: ID Device Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00225	225	224	00E0	CPY: Warning Match Digit Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00226	226	225	00E1	CPY: Offline Device Alarm	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00227	227	226	00E2	CPY: E-: Alarm Probe High Humid.	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00228	228	227	00E3	CPY: E-: Alarm Probe Low Humid.	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00229	229	228	00E4	CPY: Su: Serial Disconnected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
00408	408	407	0197	Discharge Pressure Control: Expansion Board Error Detected	R	1	UINT1	ENUM	0 = Ok, 1 = Alarm
<b>Analog Output Holding</b>									
40002	2	1	0001	Return Air Temperature	R	1	INT16	(Tenths Deg) °C	
40003	3	2	0002	Outdoor Air Temperature	R	1	INT16	(Tenths) °C	
40004	4	3	0003	Supply Air Temperature	R	1	INT16	(Tenths) °C	
40005	5	4	0004	Circuit 1 Entering Water Temperature	R	1	INT16	(Tenths) °C	
40006	6	5	0005	Hot Water Temperature	R	1	INT16	(Tenths) °C	
40007	7	6	0006	Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40008	8	7	0007	Circuit 1 Leaving Chilled Water Temperature	R	1	INT16	(Tenths) °C	
40009	9	8	0008	Circuit 1 Evaporating Pressure	R	1	INT16	(Tenths) Bar	
40010	10	9	0009	Circuit 2 Evaporating Pressure	R	1	INT16	(Tenths) Bar	
40011	11	10	000A	Circuit 1 Suction Temperature	R	1	INT16	(Tenths) °C	
40012	12	11	000B	Circuit 2 Suction Temperature	R	1	INT16	(Tenths) °C	
40013	13	12	000C	Circuit 1 Evaporating Temperature	R	1	INT16	(Tenths) °C	
40014	14	13	000D	Circuit 2 Evaporating Temperature	R	1	INT16	(Tenths) °C	
40015	15	14	000E	Circuit 1 Superheat	R	1	INT16	(Tenths) °C delta	
40016	16	15	000F	Circuit 2 Superheat	R	1	INT16	(Tenths) °C delta	
40017	17	16	0010	Circuit 1 CW Valve Position	R	1	INT16	(Tenths) %	
40018	18	17	0011	Hot Water Valve Position	R	1	INT16	(Tenths) %	
40019	19	18	0012	Evaporator Fan Speed	R	1	INT16	(Tenths) %	
40021	21	20	0014	Return Air Temperature Setpoint	R/W	1	INT16	(Tenths) °C	
40021	21	20	0014	Supply Air Temperature Setpoint	R/W	1	INT16	(Tenths) °C	
40022	22	21	0015	Return Air Temperature Sensitivity	R/W	1	INT16	(Tenths) °C delta	
40022	22	21	0015	Supply Air Temperature Sensitivity	R/W	1	INT16	(Tenths) °C delta	
40023	23	22	0016	Second Return Air Temperature Setpoint	R/W	1	INT16	(Tenths) °C	
40023	23	22	0016	Second Supply Air Temperature Setpoint	R/W	1	INT16	(Tenths) °C	
40024	24	23	0017	Reheat Setpoint	R/W	1	INT16	(Tenths) °C	
40025	25	24	0018	Second Reheat Setpoint	R/W	1	INT16	(Tenths) °C	
40026	26	25	0019	Heating Sensitivity	R/W	1	INT16	(Tenths) °C delta	
40027	27	26	001A	Return Air Temperature High	R/W	1	INT16	°C	
40028	28	27	001B	Return Air Temperature Low	R/W	1	INT16	°C	
40029	29	28	001C	Cooling Setpoint	R/W	1	INT16	(Tenths) °C	
40030	30	29	001D	Heating Setpoint	R/W	1	INT16	(Tenths) °C	
40031	31	30	001E	Chilled Water Threshold to Start Dehumidification	R/W	1	INT16	(Tenths) °C	
40032	32	31	001F	Circuit 1 Entering Chilled Water High Temperature Alarm Threshold	R/W	1	INT16	(Tenths) °C	
40033	33	32	0020	Chilled Water Threshold to Start Chilled Water Cooling (TC Units Only)	R/W	1	INT16	(Tenths) °C	
40034	34	33	0021	Winter Temperature Setpoint (ES Only)	R/W	1	INT16	(Tenths) °C	
40035	35	34	0022	Summer Temperature Setpoint (ES Only)	R/W	1	INT16	(Tenths) °C	
40051	51	50	0032	LAN Unit 2 Return Air Temperature	R	1	INT16	(Tenths) °C	
40052	52	51	0033	LAN Unit 3 Return Air Temperature	R	1	INT16	(Tenths) °C	
40053	53	52	0034	LAN Unit 4 Return Air Temperature	R	1	INT16	(Tenths) °C	
40054	54	53	0035	LAN Unit 5 Return Air Temperature	R	1	INT16	(Tenths) °C	
40055	55	54	0036	LAN Unit 6 Return Air Temperature	R	1	INT16	(Tenths) °C	

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40056	56	55	0037	LAN Unit 7 Return Air Temperature	R	1	INT16	(Tenths) °C	
40057	57	56	0038	LAN Unit 8 Return Air Temperature	R	1	INT16	(Tenths) °C	
40058	58	57	0039	LAN Unit 9 Return Air Temperature	R	1	INT16	(Tenths) °C	
40059	59	58	003A	LAN Unit 10 Return Air Temperature	R	1	INT16	(Tenths) °C	
40061	61	60	003C	LAN Unit 2 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40062	62	61	003D	LAN Unit 3 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40063	63	62	003E	LAN Unit 4 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40064	64	63	003F	LAN Unit 5 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40065	65	64	0040	LAN Unit 6 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40066	66	65	0041	LAN Unit 7 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40067	67	66	0042	LAN Unit 8 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40068	68	67	0043	LAN Unit 9 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40069	69	68	0044	LAN Unit 10 Return Air Relative Humidity	R	1	INT16	(Tenths) rH%	
40070	70	69	0045	LAN Average Air Pressure	R	1	INT16	(Tenths) Pa	
40071	71	70	0046	AFPS: Setpoint	R/W	1	INT16	(Tenths) Pa	
40072	72	71	0047	AFPS: Dead Band	R/W	1	INT16	(Tenths) Pa	
40073	73	72	0048	AFPS: Regulation Band	R/W	1	INT16	(Tenths) Pa	
40074	74	73	0049	AFPS: Alarm Threshold	R/W	1	INT16	(Tenths) Pa	
40075	75	74	004A	Supply Air Temperature Compensation: Return Temp T1	R/W	1	INT16	(Tenths) °C	
40076	76	75	004B	Supply Air Temperature Compensation: Supply Temp SP2	R/W	1	INT16	(Tenths) °C	
40077	77	76	004C	Supply Air Temperature Compensation: Return Temp T2	R/W	1	INT16	(Tenths) °C	
40080	80	79	004F	Humidifier Output	R	1	INT16	(Tenths) %	
40082	82	81	0051	LAN Average Return Air Temperature	R	1	INT16	(Tenths) °C	
40083	83	82	0052	LAN Average Relative Humidity	R	1	INT16	(Tenths) rH%	
40093	93	92	005C	Circuit 1 Discharge Pressure	R	1	INT16	(Tenths) Bar	
40094	94	93	005D	Circuit 2 Discharge Pressure	R	1	INT16	(Tenths) Bar	
40095	95	94	005E	Circuit 1 Discharge Temperature	R	1	INT16	(Tenths) °C	
40096	96	95	005F	Circuit 2 Discharge Temperature	R	1	INT16	(Tenths) °C	
40113	113	112	0070	Humidifier Actual Production	R	1	INT16	(Tenths) Kg/h	
40114	114	113	0071	Humidifier Current	R	1	INT16	(Tenths) A	
40115	115	114	0072	Air Pressure	R	1	INT16	(Tenths) Pa	
40116	116	115	0073	Return Air Setpoint External Offset Voltage	R	1	INT16	(Tenths) V	
40117	117	116	0074	Return Air Setpoint External Offset Temperature	R	1	INT16	(Tenths) °C	
40118	118	117	0075	Active Cooling Setpoint	R	1	INT16	(Tenths) °C	
40123	123	122	007A	Delta Temperature to Switch to Local Control	R/W	1	INT16	(Tenths) °C	
40211	211	210	00D2	Circuit 1 Discharge Pressure Control Water Valve Position	R	1	INT16	(Tenths) %	
40212	212	211	00D3	Circuit 2 Discharge Pressure Control Water Valve Position	R	1	INT16	(Tenths) %	
<b>Integer Input/Output</b>									
45003	5003	5002	138A	Air Filter Run Hours	R	1	UINT16	Hours	
45004	5004	5003	138B	Unit Run Hours	R	1	UINT16	Hours	
45005	5005	5004	138C	Compressor 1 Run Hours	R	1	UINT16	Hours	
45006	5006	5005	138D	Compressor 2 Run Hours	R	1	UINT16	Hours	
45007	5007	5006	138E	Compressor 3 Run Hours	R	1	UINT16	Hours	
45008	5008	5007	138F	Compressor 4 Run Hours	R	1	UINT16	Hours	
45009	5009	5008	1390	Heater 1 Run Hours	R	1	UINT16	Hours	
45010	5010	5009	1391	Heater 2 Run Hours	R	1	UINT16	Hours	
45011	5011	5010	1392	Humidifier Run Hours	R	1	UINT16	Hours	
45014	5014	5013	1395	Dehumidification Proportional Band	R/W	1	UINT16	rH%	
45015	5015	5014	1396	Humidification Proportional Band	R/W	1	UINT16	rH%	
45016	5016	5015	1397	High Humidity Alarm Threshold	R/W	1	UINT16	rH%	
45017	5017	5016	1398	Low Humidity Alarm Threshold	R/W	1	UINT16	rH%	
45018	5018	5017	1399	Dehumidification Setpoint	R/W	1	UINT16	rH%	
45019	5019	5018	139A	Setback Mode: Dehumidification Setpoint	R/W	1	UINT16	rH%	
45020	5020	5019	139B	Humidification Setpoint	R/W	1	UINT16	rH%	
45021	5021	5020	139C	Setback Mode: Humidification Setpoint	R/W	1	UINT16	rH%	
45023	5023	5022	139E	Startup Stabilization Time	R/W	1	UINT16	Seconds	
45027	5027	5026	13A2	Unit Rotation Time	R/W	1	UINT16	Hours	
45030	5030	5029	13A5	Fan Cycle Time (Sleep Mode)	R/W	1	UINT16	Minutes	
45031	5031	5030	13A6	Circuit 1 EXV Position	R	1	UINT16	Step	
45032	5032	5031	13A7	Circuit 2 EXV Position	R	1	UINT16	Step	
45035	5035	5034	13AA	AFPS: Minimum Fan Speed CW	R/W	1	UINT16	%	
45036	5036	5035	13AB	AFPS: Maximum Fan Speed	R/W	1	UINT16	%	
45037	5037	5036	13AC	AFPS Alarm	R/W	1	UINT16	Seconds	
45038	5038	5037	13AD	Supply Air High Temperature Alarm Threshold	R/W	1	UINT16	°C	
45039	5039	5038	13AE	Day	R	1	UINT16		
45040	5040	5039	13AF	Month	R	1	UINT16	ENUM	1 = Jan, 2 = Feb, ... 11 = Nov, 12 = Dec

Uniflair LE Modbus Register Map

Modicon Standard Register Number	Base 1 Starting Register Number (Decimal)	Absolute Starting Register Number, (Decimal)	Absolute Starting Register Number, (Hexadecimal)	Data Point	R/W	Length	Data Type	Units	Valid Response
45041	5041	5040	13B0	Year	R	1	UINT16	Year (0 - 99)	
45042	5042	5041	13B1	Weekday	R	1	UINT16	ENUM	1 = Mon, 2 = Tue, ... 6 = Sat, 7 = Sun
45043	5043	5042	13B2	Second	R	1	UINT16	Second (0-59)	
45044	5044	5043	13B3	Hour	R	1	UINT16	Hour (0 - 23)	
45045	5045	5044	13B4	Minute	R	1	UINT16	Minute (0 - 59)	
45046	5046	5045	13B5	AFPS: Minimum Fan Speed DX	R/W	1	UINT16	%	
45050	5050	5049	13B9	CW+DX Run Hours	R	1	UINT16	Hours	
45051	5051	5050	13BA	DX Run Hours	R	1	UINT16	Hours	
45052	5052	5051	13BB	CW Run Hours	R	1	UINT16	Hours	
45053	5053	5052	13BC	Dehumidification Run Hours	R	1	UINT16	Hours	
45054	5054	5053	13BD	Standby Run Hours	R	1	UINT16	Hours	
45055	5055	5054	13BE	Ultracapacitor Status	R	1	UINT16	ENUM	0 = Power Supply Fail (UCAP on working), 1 = UCAP Charging, 2 = UCAP Fully Charged
45056	5056	5055	13BF	Ultracapacitor In Use Time	R	1	UINT16	Seconds	
45057	5057	5056	13C0	Ultracapacitor Recharge Time	R	1	UINT16	Seconds	
45058	5058	5057	13C1	Unit Serial Letter X (UCX -----)	R/W	1	UINT16	ENUM	0 = Q, 1 = R, 2 = S, 3 = T, 4 = U, 5 = V, 6 = W, 7 = X, 8 = Y, 9 = Z
45059	5059	5058	13C2	Unit Serial Number part 1 (UC- NNN---)	R/W	1	UINT16		
45060	5060	5059	13C3	Unit Serial Number part 2 (UC- ---NNN )	R/W	1	UINT16		
45061	5061	5060	13C4	Energy Saving Mode	R	1	UINT16	ENUM	0 = None, 1 = DX and CW, 2 = DX, 3 = CW
45068	5068	5067	13CB	Double Power Supply: Active Feed	R	1	UINT16	ENUM	0 = Line A, 1 = Line B
45084	5084	5083	13DB	Air Filter Run Hours Threshold	R/W	1	UINT16	Hours	
45085	5085	5084	13DC	Compressor 1 Run Hours Threshold	R/W	1	UINT16	Hours	
45086	5086	5085	13DD	Compressor 2 Run Hours Threshold	R/W	1	UINT16	Hours	
45087	5087	5086	13DE	Compressor 3 Run Hours Threshold	R/W	1	UINT16	Hours	
45088	5088	5087	13DF	Compressor 4 Run Hours Threshold	R/W	1	UINT16	Hours	
45089	5089	5088	13E0	Heater 1 Run Hours Threshold	R/W	1	UINT16	Hours	
45090	5090	5089	13E1	Heater 2 Run Hours Threshold	R/W	1	UINT16	Hours	
45091	5091	5090	13E2	Humidifier Run Hours Threshold	R/W	1	UINT16	Hours	
45092	5092	5091	13E3	Unit Run Hours Threshold	R/W	1	UINT16	Hours	
45093	5093	5092	13E4	CW+DX Run Hours Threshold	R/W	1	UINT16	Hours	
45094	5094	5093	13E5	DX Run Hours Threshold	R/W	1	UINT16	Hours	
45095	5095	5094	13E6	CW Run Hours Threshold	R/W	1	UINT16	Hours	
45096	5096	5095	13E7	Standby Run Hours Threshold	R/W	1	UINT16	Hours	
45097	5097	5096	13E8	Dehumidification Run Hours Threshold	R/W	1	UINT16	Hours	
45230	5230	5229	146D	LAN: Number of Days Between Rotation	R/W	1	UINT16	ENUM	0 = 1 Day, 1 = 2 Days, 2 = 3 Days, 3 = 4 Days, 4 = 5 Days, 5 = 6 Days, 6 = 7 Days
45231	5231	5230	146E	LAN: Hour of Rotation	R/W	1	UINT16	Hour (0 - 23)	
45232	5232	5231	146F	LAN: Minute of Rotation	R/W	1	UINT16	Minute (0 - 59)	
45233	5233	5232	1470	LAN: Rotation Weekday	R/W	1	UINT16	ENUM	0 = Mo, 1 = Tu, 2 = We, 3 = Th, 4 = Fr, 5 = Sa, 6 = Su
45243	5243	5242	147A	Fan Speed	R/W	1	UINT16	Percent	
45244	5244	5243	147B	Fan Speed During Dehumidification	R/W	1	UINT16	Percent	
45286	5286	5285	14A5	Minimum Supply Air Temperature Setpoint	R/W	1	UINT16	°C	
45319	5319	5318	14C6	Analog Output 1: Chilled Water Valve Position	R/W	1	UINT16	Percent	
45320	5320	5319	14C7	Analog Output 2: Hot Water Valve Position	R/W	1	UINT16	Percent	
45320	5320	5319	14C7	Analog Output 2: Modulating Heater	R/W	1	UINT16	Percent	
45320	5320	5319	14C7	Analog Output 2: Modulating Drycooler	R/W	1	UINT16	Percent	
45320	5320	5319	14C7	Analog Output 2: External Humidifier	R/W	1	UINT16	Percent	
45321	5321	5320	14C8	Analog Output 3: Evaporating Fan	R/W	1	UINT16	Percent	
45322	5322	5321	14C9	Analog Output 4: Hot Water Valve Position	R/W	1	UINT16	Percent	

**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 Schneider-Electric 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 Schneider-Electric 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 > Contact Us and select your region.

For information on how to obtain local customer support, contact the Schneider-Electric representative or other distributors from whom you purchased your Schneider-Electric product.