T-300 Modbus Registers

This is a best guess of registers and the setpoints they relate to. Adjustments and improvements welcome. See the project at https://github.com/zathras777/t300 for more details.

Register	Access	Setpoint	Description	Additional Information
1	3	C	Heat rod/Boost	
2	3	A	Operation	
3	3	D01	Temperature Heat Rod	
4	3	F27	Fan Speed 1	
5	3	F28	Fan Speed 2	
6	3	D02	Language	0: German, 1: English
9	3	D03	Display Standby	
10	3	D05	PV Function	
11	3	D07	Heat rod on at temperature	-100
12	3	D08	Only heat rod, no Heat Pump	
24	3	F02	Filter change interval	
25	3	D04	Legionella Function	
26	3	F03	Cold operation temperature	-100
27	3	F04	Auxillary function	
28	3	F05	Floor heating enable temperature	
29	3	F06	Floor heating setpoint	
30	3	F07	Aux hysteresis	
31	3	F08	Maximum temperature	
33	3	F09	Defrosting start temperature	
34	3	F10	Defrosting start temperature, 80%	
35	3	F11	Defrosting stop	
36	3	F14	ModBus Unit ID	
37	3	F15	ModBus Baud Rate	0: 9600, 1: 19200
38	3	F16	ModBus Parity	0: None, 1: Even, 2: Odd
39	3	F17	Modbus Write Enabled	
50	3	F01	Fan speed operation	
51	3	F19	Display Contrast	
52	3	F12	Delta T Mid T Low	
65	3	F13	Compressor off hysteresis	
81	3	F18	USB Enabled	
88	3	F22	PV Mode	0: Off, 1: PV, 2: SG
89	3	F23	PV Heat Rod Voltage	
90	3	F24	PV WP	
91	3	F25	PV WP Time	
92	3	F26	Enable Fan Speed 1 and 2	
11	4	T05	Temperature Before Evaporation	-100
12	4	T06	Evaporation Temperature	-100
13	4	T20	Low Tank Temperature	-100
14	4	T21	Mid Tank Temrpertaure	-100
15	4	T13	Compressor Temperature	-100
16	4	T11	Suction Temperature	-100
17	4	T09	AUX Temperature	-100
19	4	P19	E-Valve	
22	4	R02	Compressor	
23	4	R03	Supplemental P	
24	4	R04	Heat E	
25	4	R05	Fan	
26	4	R06	Defrost	
29	4	T14	E-Valve Temperature	-100

Register	Access	Setpoint	Description	Additional Information
38	4	E14	Fan Speed	
65	4	S06	Defrost	
79	4	B	Target Temperature	

Notes:

- The access code shown below relates to the Modbus method for retrieving the register.
- Temperature values have 100 added to their value to allow negative values to be easily stored.
- Values with decimal places are stored multiplied up to a whole integer, e.g. 7.0 is stored as 70.