Symbol	Decimal point	Real Register	Holding Register
Measured value(PV)	YES	1001H	44098
Manipulated output (MV):	NO	1101H	44354
Alarm output	NO	1200H	44609
Controller parameters *(Refer to 3. Parameters)*			
SP	YES	0000H	40001
AL-1	YES	0001H	40002
AL-2	YES	0002H	40003
Pb	NO	0003H	40004
... And so on			
r32	NO	007DH	40126
t32	NO	007EH	40127
C32	YES	007FH	40128

Real Register	Decimal point	Parameters
0	1	SP:Setting value
1	1	AL-1:Alarm Setting value
2	1	AL-2:Alarm Setting value
3	1	PB:PV Bias
4	0	P:Proportional Band
5	0	I:Calculus time
6	0	D:Differential time
7	0	T:Control time
8	0	FILT:Digital Filter
9	1	HY:Differential gap
A	0	DP:Decimal point position
B	0	OUTH:Output limiter high
C	0	OUTL:Output limiter low
D	0	AT:Auto tuning
E	0	LOCK:Set data lock
F	0	SN:Input type
10	0	OP-A:Main output Opt
11	0	CF:(PV)unit select
12	0	ALP:Alarm1 function
13	0	COOL:Hot/Cold
14	1	P-SH:Input range high
15	1	P-SL:Input range low
19	0	SEC:Set time unit
1A	0	LOOP:Cycles

1B	0	PDE:Power down
1C	1	AL_P:Wait zone
1D	0	RUN:Program control mode setting
1E	0	PRO:program segmentation
20	0	R1:Ramp Segment 1
21	0	T1:Soak Time 1
22	1	C1:Soak segment 1
23	0	R2:Ramp Segment 2
24	0	T2:Soak Time 2
25	1	C2:Soak segment 2
26	0	R3:Ramp Segment 3
27	0	T3:Soak Time 3
28	1	C3:Soak segment 3
29	0	R4:Ramp Segment 4
2A	0	T4:Soak Time 4
2B	1	C4:Soak segment 4
2C	0	R5:Ramp Segment 5
2D	0	T5:Soak Time 5
2E	1	C5:Soak segment 5
2F	0	R6:Ramp Segment 6
30	0	T6:Soak Time 6
31	1	C6:Soak segment 6
32	0	R7:Ramp Segment 7
33	0	T7:Soak Time 7
34	1	C7:Soak segment 7
35	0	R8:Ramp Segment 8
36	0	T8:Soak Time 8
37	1	C8:Soak segment 8
38	0	R9:Ramp Segment 9
39	0	T9:Soak Time 9
3A	1	C9:Soak segment 9
3B	0	R10:Ramp Segment 10
3C	0	T10:Soak Time 10
3D	1	C10:Soak segment 10
3E	0	R11:Ramp Segment 11
3F	0	T11:Soak Time 11
40	1	C11:Soak segment 11
41	0	R12:Ramp Segment 12
42	0	T12:Soak Time 12
43	1	C12:Soak segment 12
44	0	R13:Ramp Segment 13
45	0	T13:Soak Time 13
46	1	C13:Soak segment 13

47	0	R14:Ramp Segment 14
48	0	T14:Soak Time 14
49	1	C14:Soak segment 14
4A	0	R15:Ramp Segment 15
4B	0	T15:Soak Time 15
4C	1	C15:Soak segment 15
4D	0	R16:Ramp Segment 16
4E	0	T16:Soak Time 16
4F	1	C16:Soak segment 16
50	0	R17:Ramp Segment 17
51	0	T17:Soak Time 17
52	1	C17:Soak segment 17
53	0	R18:Ramp Segment 18
54	0	T18:Soak Time 18
55	1	C18:Soak segment 18
56	0	R19:Ramp Segment 19
57	0	T19:Soak Time 19
58	1	C19:Soak segment 19
59	0	R20:Ramp Segment 20
5A	0	T20:Soak Time 20
5B	1	C20:Soak segment 20
5C	0	R21:Ramp Segment 21
5D	0	T21:Soak Time 21
5E	1	C21:Soak segment 21
5F	0	R22:Ramp Segment 22
60	0	T22:Soak Time 22
61	1	C22:Soak segment 22
62	0	R23:Ramp Segment 23
63	0	T23:Soak Time 23
64	1	C23:Soak segment 23
65	0	R24:Ramp Segment 24
66	0	T24:Soak Time 24
67	1	C24:Soak segment 24
68	0	R25:Ramp Segment 25
69	0	T25:Soak Time 25
6A	1	C25:Soak segment 25
6B	0	R26:Ramp Segment 26
6C	0	T26:Soak Time 26
6D	1	C26:Soak segment 26
6E	0	R27:Ramp Segment 27
6F	0	T27:Soak Time 27
70	1	C27:Soak segment 27
71	0	R28:Ramp Segment 28

72	0	T28:Soak Time 28
73	1	C28:Soak segment 28
74	0	R29:Ramp Segment 29
75	0	T29:Soak Time 29
76	1	C29:Soak segment 29
77	0	R30:Ramp Segment 30
78	0	T30:Soak Time 30
79	1	C30:Soak segment 30
7A	0	R31:Ramp Segment 31
7B	0	T31:Soak Time 31
7C	1	C31:Soak segment 31
7D	0	R32:Ramp Segment 32
7E	0	T32:Soak Time 32
7F	1	C32:Soak segment 32

PID-RS-CF Modbus Register Address Reference

For current product information, availability, and compatible options, use the verified ThermoMart links below. The preceding pages remain the original reference table content.

Looking for product information? Browse the manual library to find current ThermoMart models and guides.

All ThermoMart manuals and guides