

TempTrac® Operating Control Register List

Label	Name	Range	Factory Default Value		Access Level	Register Access	Register Address
			B/M/2	W/1/2/HSB			
	REGULATION						
St1	Set point1	LS1÷US1	165	120	Pr1	Yes	769
St2	Set point2	LS2÷US2	-5	-5	Pr1	Yes	770
St3	Set point3	LS3÷US3	40	40	Pr1	Yes	771
Hy1	Differential for set1	-22÷22°F	-8	-8	Pr2	Yes	773
LS1	Minimum set point1	-40°F÷SET	90	90	Pr2	Yes	774
US1	Maximum set point1	SET ÷ 230°F	180	180	Pr2	Yes	775
AC1	Anti-short cycle delay for output 1	0÷30 min.	0	0	Pr2	Yes	776
S2c	Configuration of Set2: dependent on set1 or independent	diP; ind	diP	diP	Pr3	Yes	777
Hy2	Differential for set2	-22÷22°F	-5	-5	Pr2	Yes	778
LS2	Minimum set point2	-40°F÷SET2	-8	-8	Pr2	Yes	779
US2	Maximum set point2	SET2 ÷ 230°F	-3	-3	Pr2	Yes	780
AC2	Anti-short cycle delay for output 2	0÷30 min.	0	0	Pr2	Yes	781
S3c	Configuration of Set3: dependent on set1 or independent	diP; ind	ind	ind	Pr2	Yes	782
Hy3	Differential for set3	-22÷22°F	20	20	Pr2	Yes	783
LS3	Minimum set point3	-40°F÷SET3	40	40	Pr2	Yes	784
US3	Maximum set point3	SET3 ÷ 230°F	70	70	Pr2	Yes	785
AC3	Anti-short cycle delay for output 3	0÷30 min.	0	0	Pr2	Yes	786
	ANALOGUE OUTPUT 4÷20mA (output 4)						
S4c	Configuration of Set4: dependent on set1 or independent	diP; ind	diP	diP	Pr3	Yes	792
St4	Analogue output set point	-100÷100°F	-10	1	Pr2	Yes	793
SR	Analogue output band width	-100÷100°F	-10	-1	Pr2	Yes	794
TH4	Outlet temperature threshold for forcing to 4ma the analog output	-40°F ÷ 230°F	207	207	Pr2	Yes	795
HY4	Differential for restart working of analog output	-45 ÷ -1 °F	-30	-30	Pr2	Yes	796
Ac4	Anti-short cycle delay for output 4	0÷30 min.	0	0	Pr2	Yes	797
PS4	Analogue output percentage LSB=101 for (nu)	0÷100, nu	nu	nu	Pr2	Yes	798
PP4	Analogue output percentage with fault probe 1	0÷100, nu	0	0	Pr3	Yes	799
	DYNAMIC RESET						
tt	Outdoor temperature threshold for dynamic reset of SET1	-40÷230°F	30	30	Pr2	Yes	800
rr2	Outdoor temperature band width	-100÷100°F	-20	-20	Pr2	Yes	801
rr1	Maximum shift of SET1	-100÷100°F	10	10	Pr2	Yes	802
tt2	Outdoor temperature threshold to open all the loads	-40÷230°F	230	230	Pr2	Yes	803
Ht2	Differential for restart working of controller	-45 ÷ -1 °F	-10	-10	Pr2	Yes	804
	DIGITAL INPUTS						
i1P	Digital input 1 polarity	CL÷OP	CL	CL	Pr3	Yes	805
i2P	Digital input 2 polarity	CL÷OP	OP	OP	Pr2	Yes	806
i2d	Digital input 2 alarm delay	0÷255 min.	1	1	Pr3	Yes	807
i3P	Digital input 3 polarity	CL÷OP	OP	OP	Pr2	Yes	808
i3d	Digital input 3 alarm delay	0÷255 min.	1	1	Pr3	Yes	809
	DISPLAY						
CF	Temperature measurement unit	°C ÷ °F	F	F	Pr3	Yes	810
rES	Resolution (integer/decimal point) only for °C	in ÷ de	in	in	Pr3	Yes	811
dS2	Default showing for display #2	Pb2, Pb3	Pb2	Pb2	Pr2	Yes	812
dS1	Default showing for display #1	Pb1; tiM	Pb1	Pb1	Pr2	Yes	813
	ALARMS						
ALC	Temperature alarms configuration: dependent on SET1 or independent	rE÷Ab	Ab	Ab	Pr3	Yes	814
ALL	minimum temperature alarm, referred to TP1	-40÷230°F	70	70	Pr2	Yes	815
ALU	MAXIMUM temperature alarm, referred to TP1	-40÷230°F	215	215	Pr3	Yes	816
AFH	Differential for temperature alarm recovery	1÷45°F	5	5	Pr2	Yes	817
ALd	Temperature alarm delay	0÷255 min.	1	1	Pr2	Yes	818
dAO	Delay of temperature alarm at start up	0 ÷ 23h 50 min.	0.5	0.5	Pr2	Yes	819
	ANALOGUE INPUTS						
oF1	First probe calibration	-21÷21°F	0	0	Pr3	No	820
P2P	Second probe presence	yES; no	Yes	Yes	Pr2	Yes	821
oF2	Second probe calibration	-21÷21°F	0	0	Pr3	No	822

P3P	Third probe presence	yES; no	no	no	Pr2	Yes	823
oF3	Third probe calibration	-21÷21°F	0	0	Pr3	No	824
	TIME AND DATE						
Hur	Current hour	0 ÷ 23	12	12	Pr2	Yes	825
Min	Current minute	0 ÷ 59	0	0	Pr2	Yes	826
dAY	Current day	Sun ÷ SAat	Sun	Sun	Pr2	Yes	827
	ENERGY SAVING TIMES						
E1	Energy saving start on Sunday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	828
S1	Energy saving stop on Sunday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	829
Sb1	Set back temperature on Sunday	-40÷40°F	0	0	Pr2	Yes	830
E2	Energy saving start on Monday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	831
S2	Energy saving stop on Monday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	832
Sb2	Set back temperature on Monday	-40÷40°F	0	0	Pr2	Yes	833
E3	Energy saving start on Tuesday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	834
S3	Energy saving stop on Tuesday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	835
Sb3	Set back temperature on Tuesday	-40÷40°F	0	0	Pr2	Yes	836
E4	Energy saving start on Wednesday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	837
S4	Energy saving stop on Wednesday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	838
Sb4	Set back temperature on Wednesday	-40÷40°F	0	0	Pr2	Yes	839
E5	Energy saving start on Thursday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	840
S5	Energy saving stop on Thursday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	841
Sb5	Set back temperature on Thursday	-40÷40°F	0	0	Pr2	Yes	842
E6	Energy saving start on Friday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	843
S6	Energy saving stop on Friday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	844
Sb6	Set back temperature on Friday	-40÷40°F	0	0	Pr2	Yes	845
E7	Energy saving start on Saturday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	846
S7	Energy saving stop on Saturday	0 ÷ 23h 50 min. - nu	nu	nu	Pr2	Yes	847
Sb7	Set back temperature on Saturday	-40÷40°F	0	0	Pr2	Yes	848
	WORKING HOURS						
oP1	working hours limit of relay 1	0÷9999h; with 0 the function is disabled	0	0	Pr2	Yes	852
oP2	working hours limit of relay 2	0÷9999h; with 0 the function is disabled	0	0	Pr2	Yes	852
oP3	working hours limit of relay 3	0÷9999h; with 0 the function is disabled	0	0	Pr2	Yes	854
ou1	working hours actual of relay 1	0÷9999h; when enabled			Pr1	Yes	849
ou2	working hours actual of relay 2	0÷9999h; when enabled			Pr1	Yes	850
ou3	working hours actual of relay 3	0÷9999h; when enabled			Pr2	Yes	851
	OUTPUTS SETTING						
	OTHER						
Adr	Serial address	0÷247			Pr2	Yes	858
rEL	Software release	readable only	0.3	0.3	Pr2	Yes	859
Ptb	Parameter map code	readable only			Pr2	No	860
	Probe 1 temperature	Degrees F/C					257
	Probe 1 Information/Status	bit (0,1 on) probe failure					258
	Probe 2 temperature	Degrees F/C					259
	Probe 2 Information/Status	bit (0,1 on) probe failure					260
	Probe 3 temperature	Degrees F/C					261
	Probe 3 Information/Status	bit (0,1 on) probe failure					262
	Status of Relay 1,2&3	bit 0,1,2					2050
	High or Low gas pressure alarm	bit 5 of MS					3329
	On/Off	bit 0 of MS 1on 0off, LS 1enable 0 dis					1281
	Keyboard Lock	bit 4 of MS 1lock 0un, LS 1enable 0 dis					1281
	Reset audible alarm when condition is corrected	bit 5 of MS 1reset. LS 1enable 0 dis					1281

Energy Savings Registers are enumerated 0 to 145 w/145=n/u
All Register numbers are 0 based

Yellow highlights are in PR3

When outdoor reset is configured (factory option), parameter P3P is set to YES.