# PID500-U

## RS485 MODBUS Addresses

Creating Best Value

## Read Coil Status

| Address | Hex Address | Variable Name | Coil status | | Para Type |
|---|---|---|---|---|---|
| | | | 0 | 1 | |
| 01 | 1 | Temp Unit | ºC | ºF | R |
| 02 | 2 | Reverse Scaling | NO | YES | R |
| 04 | 4 | Relay_1 Mode | FD | RE | R |
| 05 | 5 | ARW | AUTO | MANUAL | R |
| 06 | 6 | Set 2 Type | ABS | DEV | R |
| 07 | 7 | Alarm_1 Latch | ON | OFF | R |
| 08 | 8 | Alarm_1 Hold | ON | OFF | R |
| 09 | 9 | Alarm_1 energize | ENERGIZE | DE-ENERGIZE | R |
| 10 | A | Alarm_1 ANN | OFF | ON | R |
| 12 | C | Sensor Err Level | LOW | HIGH | R |
| 13 | D | Alarm_2 Latch | ON | OFF | R |
| 14 | E | Alarm_2 Hold | ON | OFF | R |
| 15 | F | Alarm_2 energize | ENERGIZE | DE-ENERGIZE | R |
| 16 | 10 | Alarm_2 ANN | OFF | ON | R |
| 17 | 11 | Heat_Cool Mode | NO | YES | R |
| 18 | 12 | Profile Status | NO | YES | R |
| 19 | 13 | Sensor open condition | AUTO | MANUAL | R |
| 20 | 14 | Standby mode | NO | YES | R |
| 21 | 15 | Program access settings | LEVEL | ONLINE | R |
| 26 | 1A | Set mode_zone | ALL | ZONE | R |

# INPUT REGISTER

## Variables in INT & DINT

| Address | Hex Address | Parameter | Signed/ Unsigned | Data Structure | Range | Description |
|---|---|---|---|---|---|---|
| 30001 | 1 | MAIN OUTPUT STATUS | Unsigned | DINT | 0 to 2 | Relay = 1<br>SSR = 0<br>AOUT = 2 |
| 30003 | 3 | ELASPED_SOAK _TIME | Unsigned | DINT | | Soak_time |
| 30005 | 5 | OUTPUT PERCENTAGE | Unsigned | DINT | 0 to 100 | Output Percentage = %pid |
| 30007 | 7 | FINAL PV | Signed | DINT | | Final PV |
| 30009 | 9 | RAMP | Signed | DINT | | Remote Setpoint |
| 30011 | B | FINAL PV | Signed | INT | | Final PV |
| 30012 | C | MAIN OUTPUT STATUS | Signed | INT | 0 to 2 | If Output == Relay/SSR<br>Main Output Status = 1/ 0<br>Else If Output == AOUT<br>Main Output Status = 2 |
| 30013 | D | ELASPED_ SOAK_TIME | Signed | INT | | Soak_time |
| 30014 | E | OUTPUT PERCENTAGE | Signed | INT | 0 to 100 | OUTPUT PERCENTAGE = %pid |
| 30015 | F | RAMP | Signed | INT | | If Profile == Yes → RAMP = Profile_Runtime_ramp<br>If Profile == No → RAMP = ramp |

## Variables in Float

| Address | Hex Address | Parameter | Data Structure | Range | Description |
|---|---|---|---|---|---|
| 30064 | 40 | OUTPUT PERCENTAGE | FLOAT | 0.0 to 100.0 | Output Percentage = %pid |
| 30066 | 42 | FINAL PV | FLOAT | | Final PV |
| 30068 | 44 | RAMP | FLOAT | | Remote Setpoint |

## HOLDING REGISTER

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40032 | 20 | Set 1_value | 4 Byte (DINT) | Signed | R/W | -199 to 9999 |
| 40034 | 22 | Set 2_value | 4 Byte (DINT) | Unsigned | R/W | -199 to 9999 |
| 40036 | 24 | Set 3_value | 4 Byte (DINT) | Signed | R/W | -199 to 9999 |
| 40064 | 40 | DSCL | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40065 | 41 | ISCL | 2 Byte (INT) | Unsigned | R/W | 0 to 10.00 |
| 40066 | 42 | DSCH | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40067 | 43 | ISCH | 2 Byte (INT) | Unsigned | R/W | 0 to 10.00 |
| 40068 | 44 | SPHL | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40069 | 45 | SPLL | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40072 | 48 | ZONE_SP_1 | 2 Byte (INT) | Signed | R/W | (SPLL TO SPHL) -1999 to 9999 |
| 40073 | 49 | ZONE_SP_2 | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40074 | 4A | ZONE_SP_3 | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40075 | 4B | ZONE_SP_4 | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40076 | 4C | Pb-1 | 2 Byte (INT) | Unsigned | R/W | 0 to 400.0 |
| 40076 | 4C | ZONE_PB_1 | 2 Byte (INT) | Unsigned | R/W | 0 to 400.0 |
| 40077 | 4D | ZONE_PB_2 | 2 Byte (INT) | Unsigned | R/W | 0 to 400.0 |
| 40078 | 4E | ZONE_PB_3 | 2 Byte (INT) | Unsigned | R/W | 0 to 400.0 |
| 40079 | 4F | ZONE_PB_4 | 2 Byte (INT) | Unsigned | R/W | 0 to 400.0 |
| 40080 | 50 | It-1 | 2 Byte (INT) | Unsigned | R/W | 0 to 3600 |
| 40080 | 50 | ZONE_IT_1 | 2 Byte (INT) | Unsigned | R/W | 0 to 3600 |
| 40081 | 51 | ZONE_IT_2 | 2 Byte (INT) | Unsigned | R/W | 0 to 3600 |
| 40082 | 52 | ZONE_IT_3 | 2 Byte (INT) | Unsigned | R/W | 0 to 3600 |
| 40083 | 53 | ZONE_IT_4 | 2 Byte (INT) | Unsigned | R/W | 0 to 3600 |
| 40084 | 54 | dt-1 | 2 Byte (INT) | Unsigned | R/W | 0 to 200 |
| 40084 | 54 | ZONE_DR_1 | 2 Byte (INT) | Unsigned | R/W | 0 to 200 |
| 40085 | 55 | ZONE_DR_2 | 2 Byte (INT) | Unsigned | R/W | 0 to 200 |
| 40086 | 56 | ZONE_DR_3 | 2 Byte (INT) | Unsigned | R/W | 0 to 200 |
| 40087 | 57 | ZONE_DR_4 | 2 Byte (INT) | Unsigned | R/W | 0 to 200 |
| 40088 | 58 | Timer | 2 Byte (INT) | Unsigned | R/W | 0.0 to 99.9 |
| 40089 | 59 | Cycle time_user | 2 Byte (INT) | Unsigned | R/W | 0.1 to 100.0 |
| 40090 | 5A | Anti reset windup | 2 Byte (INT) | Unsigned | R/W | 20.0 to 100.0 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40091 | 5B | Manual reset | 2 Byte (INT) | Signed | R/W | (For 0.1 resolution) -99.9 to 99.9 (for 1 resolution) -99 to 99 (for analog input) -999 to 999 |
| 40092 | 5C | Hysteresis_Set1 | 2 Byte (INT) | Unsigned | R/W | 0.1 to 99.9 |
| 40095 | 5F | PB-C | 2 Byte (INT) | Unsigned | R/W | 0.0 to 400.0 |
| 40096 | 60 | Cycle time_cool | 2 Byte (INT) | Unsigned | R/W | 0.1 to 100.0 |
| 40097 | 61 | Hysteresis _Set2 | 2 Byte (INT) | Unsigned | R/W | 0.1 to 99.9 |
| 40098 | 62 | A-LO_SET2 | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40099 | 63 | A-HI_SET2 | 2 Byte (INT) | Signed | R/W | -1999 to 9999 |
| 40102 | 66 | Hysteresis _Set3 | 2 Byte (INT) | Unsigned | R/W | (for tc / rtd) 0.1 to 99.9 (for analog input) 1 to 99 |
| 40105 | 69 | Soft start time | 2 Byte (INT) | Unsigned | R/W | OFF=0 to 999 |
| 40106 | 6A | Ramp rate | 2 Byte (INT) | Unsigned | R/W | 0001 to 9999 |
| 40107 | 6B | Soak time | 2 Byte (INT) | Unsigned | R/W | 0 to 1440 |
| 40108 | 6C | PV bias | 2 Byte (INT) | Signed | R/W | (for tc / rtd) -999 to 999 (for AIN models decimal point as per selected) -999 to 99.9 |
| 40111 | 6F | User ID | 2 Byte (INT) | Unsigned | R/W | 0 to 9999 |
| 40114 | 72 | Set 1_value | 2 Byte (INT) | Signed | R/W | -199 to 9999 |
| 40115 | 73 | Set 2_value | 2 Byte (INT) | Signed | R/W | -199 to 9999 |
| 40116 | 74 | Set 3_value | 2 Byte (INT) | Signed | R/W | -199 to 9999 |
| 40128 | 80 | Special dsp_Index | 1 Byte (INT) | Unsigned | R/W | SET1=0, SET2=1, SET3=2, TUNE=4 HAND=5, PB-2=6, IT-2=7, DT-2=8, Manual_Offset=9, PB-C=10, R-SP=11, PERC=12, Soak=13 AL-1=16, AL-2 =17, Profile=21, Profile No=22, Step no=23, Time-remaining=24, Time Elapsed=25, BLNK=29 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40129 | 81 | Input Type | 1 Byte (INT) | Unsigned | R/W | J =0, K =1, T=2, R=3, S=4, C=5, E=6, B=7, N=8, L=9, U=10, Y=11, PTNL=12, PT100=13, AV=14, 10V=15, 20mA=16 |
| 40130 | 82 | Resolution | 1 Byte (INT) | Unsigned | R/W | TC/RTD:1=0, 0.1=1 Analog I/p: 1=0, 0.1=1,0.01=2, 0.001=3 |
| 40133 | 85 | Auto tune | 1 Byte (INT) | Unsigned | R/W | OFF=0, ST=1, AT=2, ADT=3 |
| 40134 | 86 | Tune% | 1 Byte (INT) | Unsigned | R/W | P.AU:75 to100 |
| 40135 | 87 | Power Low_set1 | 1 Byte (INT) | Signed | R/W | 0 to 100 (for heat cool mode) -100 to 100 |
| 40136 | 88 | Power High_set1 | 1 Byte (INT) | Unsigned | R/W | output power low limit to 100 |
| 40137 | 89 | Set mode_zone | 1 Byte (INT) | Unsigned | R/W | ALL=0, ZONE=1 |
| 40138 | 8A | Zone_number | 1 Byte (INT) | Unsigned | R/W | 1=0, 2=1, 3=2, 4=3 |
| 40139 | 8B | DAC | 1 Byte (INT) | Unsigned | R/W | 0.5 to 5.0 |
| 40140 | 8C | Cycle time | 1 Byte (INT) | Unsigned | R/W | User=1, USP.F=2 A15.0=0 |
| 40141 | 8D | Hysteresis bias _Set1 | 1 Byte (INT) | Signed | R/W | -9.9 to 99 |
| 40144 | 90 | Set2 mode | 1 Byte (INT) | Unsigned | R/W | None=0, Fd=1, Rev=2, Alrm=3 |
| 40145 | 91 | Alarm 1_mode | 1 Byte (INT) | Unsigned | R/W | OFF=0, DUHI=1, DULO=2, BAND=3, FSHI=4, FSLO=5, S.brk=6 |
| 40146 | 92 | Hysteresis bias _Set2 | 1 Byte (INT) | Signed | R/W | (for tc / rtd) -9.9 to 9.9 (for analog input) -99 to 99 |
| 40149 | 95 | Alarm2_mode | 1 Byte (INT) | Unsigned | R/W | OFF=0, DUHI=1, DULO=2, BAND=3, FSHI=4, FSLO=5, S.brk=6 |
| 40150 | 96 | Hysteresis bias _Set3 | 1 Byte (INT) | Signed | R/W | (for tc / rtd) -9.9 to 9.9 (for analog input) -99 to 99 |
| 40153 | 99 | Main output | 1 Byte (INT) | Unsigned | R/W | RLY 1=0, AOUT=1, SSR =2 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40154 | 9A | Aout | 1 Byte (INT) | Unsigned | R/W | 4-20mA=0, 0-20mA=1 0-5V=2, 0-10V=3 |
| 40155 | 9B | Hand% | 1 Byte (INT) | Unsigned | R/W | OFF:0 to 100 |
| 40156 | 9C | RAMP | 1 Byte (INT) | Unsigned | R/W | OFF=1, HOLD=2, ON=0 |
| 40157 | 9D | Sensor fail power level | 1 Byte (INT) | Signed | R/W | 0 to 100 (For heat cool mode) -100 to 100 |
| 40158 | 9E | Filter time constant | 1 Byte (INT) | Unsigned | R/W | Off=0, 1 to 99 |
| 40159 | 9F | Output power dampening | 1 Byte (INT) | Unsigned | R/W | Off=0, 1 to 250 |
| 40160 | A0 | Rounding increment | 1 Byte (INT) | Unsigned | R/W | (for tc / rtd) 0.1 to 10.0 |
| 40163 | A3 | Lock_access _SET1 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40164 | A4 | Lock_access _SET2 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40165 | A5 | Lock_access _SET3 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40166 | A6 | Lock_access _AT | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40167 | A7 | Lock_access _HAND% | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40168 | A8 | Lock_access _PB_main | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40169 | A9 | Lock_access _IT_main | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40170 | AA | Lock_access _DR_main | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40171 | AB | Lock_access_ Manual_RST | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40172 | AC | Lock_access _PB_AUX | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40173 | AD | Lock_access_I0 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40174 | AE | Lock_access_I1 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40175 | AF | Lock_access_I2 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40176 | B0 | Lock_access_I3 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40177 | B1 | Lock_access_I4 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40178 | B2 | Lock_access_I9 | 1 Byte (INT) | Unsigned | R/W | UNLK=0, READ=1, LOCK=2 |
| 40192 | C0 | Profile target temp_1 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40194 | C2 | Profile target temp_2 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40196 | C4 | Profile target temp_3 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40198 | C6 | Profile target temp_4 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40200 | C8 | Profile target temp_5 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40202 | CA | Profile target temp_6 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40204 | CC | Profile target temp_7 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40206 | CE | Profile target temp_8 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40208 | D0 | Profile target temp_9 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40210 | D2 | Profile target temp_10 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40212 | D4 | Profile target temp_11 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40214 | D6 | Profile target temp_12 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40216 | D8 | Profile target temp_13 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40218 | DA | Profile target temp_14 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40220 | DC | Profile target temp_15 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40222 | DE | Profile target temp_16 | 4 Byte (DINT) | Unsigned | R/W | SPLL TO SPHL |
| 40232 | E8 | Profile target temp_1 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40233 | E9 | Profile target temp_2 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40234 | EA | Profile target temp_3 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40235 | EB | Profile target temp_4 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40236 | EC | Profile target temp_5 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40237 | ED | Profile target temp_6 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40238 | EE | Profile target temp_7 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40239 | EF | Profile target temp_8 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40240 | F0 | Profile target temp_9 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40241 | F1 | Profile target temp_10 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40242 | F2 | Profile target temp_11 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40243 | F3 | Profile target temp_12 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40244 | F4 | Profile target temp_13 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40245 | F5 | Profile target temp_14 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40246 | F6 | Profile target temp_15 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40247 | F7 | Profile target temp_16 | 2 Byte (INT) | Signed | R/W | SPLL TO SPHL |
| 40256 | 100 | Profile ramp time_1 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40257 | 101 | Profile ramp time_2 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40258 | 102 | Profile ramp time_3 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40259 | 103 | Profile ramp time_4 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40260 | 104 | Profile ramp time_5 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40261 | 105 | Profile ramp time_6 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40262 | 106 | Profile ramp time_7 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40263 | 107 | Profile ramp time_8 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40264 | 108 | Profile ramp time_9 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40265 | 109 | Profile ramp time_10 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40266 | 10A | Profile ramp time_11 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40267 | 10B | Profile ramp time_12 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40268 | 10C | Profile ramp time_13 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40269 | 10D | Profile ramp time_14 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40270 | 10E | Profile ramp time_15 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40271 | 10F | Profile ramp time_16 | 2 Byte (INT) | Unsigned | R/W | 0000 TO 9959 |
| 40320 | 140 | Full Profile_rpt | 1 Byte (INT) | Unsigned | R/W | 0 to 99 |
| 40321 | 141 | Profile number | 1 Byte (INT) | Unsigned | R/W | 1 to 8 |
| 40322 | 142 | Single Profile_rpt | 1 Byte (INT) | Unsigned | R/W | 0 to 99 |
| 40323 | 143 | Profile pdn_ resume | 1 Byte (INT) | Unsigned | R/W | ARST=0, STOP=1, RESU=2 |
| 40324 | 144 | Profile_link | 1 Byte (INT) | Unsigned | R/W | NO=08 |
| 40325 | 145 | Profile deviation _hold | 1 Byte (INT) | Unsigned | R/W | EN=0, DS=1 |
| 40326 | 146 | Profile alarm _duration | 1 Byte (INT) | Unsigned | R/W | 0 to 99 |
| 40327 | 147 | Profile start _stepno | 1 Byte (INT) | Unsigned | R/W | 1 to 16 |
| 40328 | 148 | Profile number _step | 1 Byte (INT) | Unsigned | R/W | 1 to 16 |
| 40331 | 14B | Profile Aux output_1 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40332 | 14C | Profile Aux output_2 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40333 | 14D | Profile Aux output_3 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40334 | 14E | Profile Aux output_4 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40335 | 14F | Profile Aux output_5 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |

| Address | Hex Address | Parameter | Data Size (Data type) | Signed/ Unsigned | Para type | Range |
|---|---|---|---|---|---|---|
| 40336 | 150 | Profile Aux output_6 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40337 | 151 | Profile Aux output_7 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40338 | 152 | Profile Aux output_8 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40339 | 153 | Profile Aux output_9 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40340 | 154 | Profile Aux output_10 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40341 | 155 | Profile Aux output_11 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40342 | 156 | Profile Aux output_12 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40343 | 157 | Profile Aux output_13 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40344 | 158 | Profile Aux output_14 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40345 | 159 | Profile Aux output_15 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40346 | 15A | Profile Aux output_16 | 1 Byte (INT) | Unsigned | R/W | ON=0, OFF=1, NA=2, ALRM=3 |
| 40351 | 15F | Profile RUN | 2 Byte (INT) | unsigned | R/W | STOP= 0, RUN=1, HOLD=2 |

## FLOAT

| Address | Hex Address | Parameter | Data Size | Data Structure | Para type | Range |
|---|---|---|---|---|---|---|
| 400512 | 200 | Set 1_value | 4 Byte | FLOAT | R/W | -199.0 to SPHL |
| 400514 | 202 | Set 2_value | 4 Byte | FLOAT | R/W | -199.0 to SPHL |
| 400516 | 204 | Set 3_value | 4 Byte | FLOAT | R/W | -199.0 to SPHL |
| 400544 | 220 | DSCL | 4 Byte | FLOAT | R/W | -1999 to DSCH |
| 400546 | 222 | DSCH | 4 Byte | FLOAT | R/W | DSCL to 9999 |
| 400556 | 22C | ZONE_SP_1 | 4 Byte | FLOAT | R/W | (SPLL TO SPHL) -1999 to 9999 |
| 400558 | 22E | ZONE_SP_2 | 4 Byte | FLOAT | R/W | -1999 to 9999 |
| 400560 | 230 | ZONE_SP_3 | 4 Byte | FLOAT | R/W | -1999 to 9999 |
| 400562 | 232 | ZONE_SP_4 | 4 Byte | FLOAT | R/W | -1999 to 9999 |
| 400564 | 234 | Pb-1 | 4 Byte | FLOAT | R/W | 0 to 400.0 |
| 400564 | 234 | ZONE_PB_1 | 4 Byte | FLOAT | R/W | 0 to 400.0 |
| 400566 | 236 | ZONE_PB_2 | 4 Byte | FLOAT | R/W | 0 to 400.0 |
| 400568 | 238 | ZONE_PB_3 | 4 Byte | FLOAT | R/W | 0 to 400.0 |
| 400570 | 23A | ZONE_PB_4 | 4 Byte | FLOAT | R/W | 0 to 400.0 |
| 400572 | 23C | Manual reset | 4 Byte | FLOAT | R/W | (For 0.1 resolution)- -99.9 to 99.9 (for 1 resolution) -99 to 99 (for analog input) -999 to 999 |
| 400574 | 23E | Hysteresis_Set1 | 4 Byte | FLOAT | R/W | 0.1 to 99.9 |
| 400580 | 244 | PB-C | 4 Byte | FLOAT | R/W | 0.0 to 400.0 |
| 400582 | 246 | Hysteresis _Set2 | 4 Byte | FLOAT | R/W | 0.1 to 99.9 |
| 400584 | 248 | A-LO_SET2 | 4 Byte | FLOAT | R/W | -1999 to 9999 |
| 400586 | 24A | A-HI_SET2 | 4 Byte | FLOAT | R/W | -1999 to 9999 |
| 400592 | 250 | Hysteresis _Set3 | 4 Byte | FLOAT | R/W | (for tc / rtd) 0.1 to 99.9 (for analog input) 1 to 99 |
| 400598 | 256 | Ramp rate | 4 Byte | FLOAT | R/W | 0001 to 9999 |
| 400600 | 258 | PV bias | 4 Byte | FLOAT | R/W | (for tc / rtd) -999 to 999 (for AIN models decimal point as per selected) -999 to 99.9 |
| 400704 | 2C0 | Profile target temp_1 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |

| Address | Hex Address | Parameter | Data Size | Data Structure | Para type | Range |
|---|---|---|---|---|---|---|
| 400706 | 2C2 | Profile target temp_2 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400708 | 2C4 | Profile target temp_3 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400710 | 2C6 | Profile target temp_4 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400712 | 2C8 | Profile target temp_5 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400714 | 2CA | Profile target temp_6 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400716 | 2CC | Profile target temp_7 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400718 | 2CE | Profile target temp_8 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400720 | 2D0 | Profile target temp_9 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400722 | 2D2 | Profile target temp_10 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400724 | 2D4 | Profile target temp_11 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400726 | 2D6 | Profile target temp_12 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400728 | 2D8 | Profile target temp_13 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400730 | 2DA | Profile target temp_14 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400732 | 2DC | Profile target temp_15 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400734 | 2DE | Profile target temp_16 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400768 | 100 | Profile ramp time_1 | 4 Byte | FLOAT | R/W | SPLL TO SPHL |
| 400770 | 101 | Profile ramp time_2 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400772 | 102 | Profile ramp time_3 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400774 | 103 | Profile ramp time_4 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400776 | 104 | Profile ramp time_5 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400778 | 105 | Profile ramp time_6 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400780 | 106 | Profile ramp time_7 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |

| Address | Hex Address | Parameter | Data Size | Data Structure | Para type | Range |
|---|---|---|---|---|---|---|
| 400782 | 107 | Profile ramp time_8 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400784 | 108 | Profile ramp time_9 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400786 | 109 | Profile ramp time_10 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400788 | 10A | Profile ramp time_11 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400790 | 10B | Profile ramp time_12 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400792 | 10C | Profile ramp time_13 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400794 | 10D | Profile ramp time_14 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400796 | 10E | Profile ramp time_15 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |
| 400798 | 10F | Profile ramp time_16 | 4 Byte | FLOAT | R/W | 0000 TO 99.59 |

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