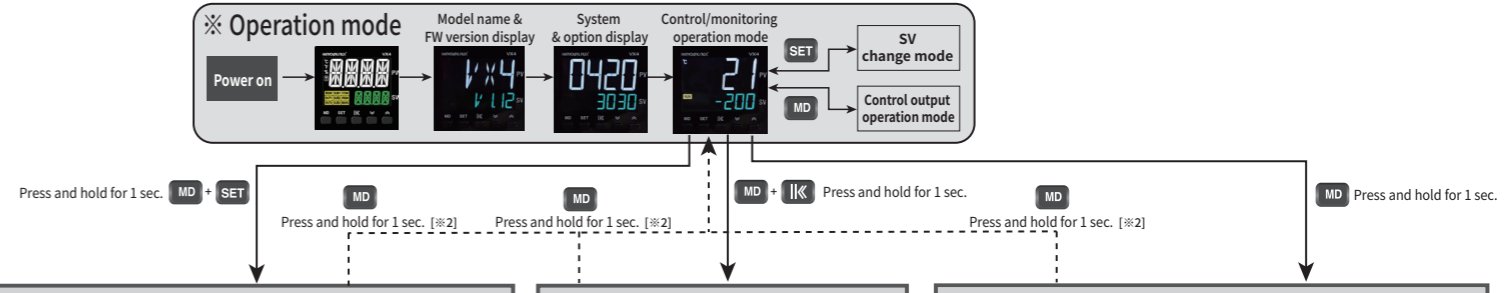
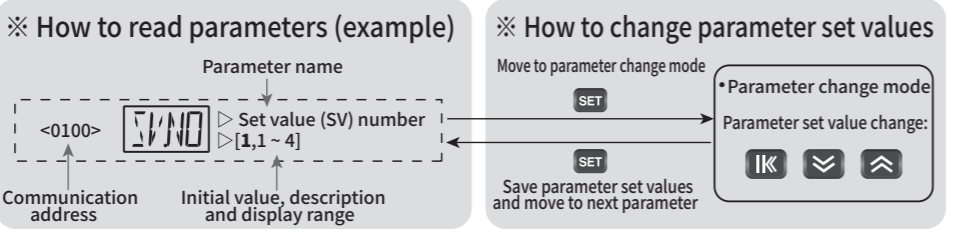




# Parameter configuration



**Full Menu: press and hold MD + SET for 1 sec.**

| SV group   | CONTROL group  | ALARM group   | TRANS group  | SUB group  |
|--|--|---|--|--|
| <0100> SVNO ▷ Set value (SV) number [1, 1 ~ 4]                       | <0200> ATMD ▷ Auto-tuning mode [STND, STND or LOW]                 | <0300+(n-1)x4> ALnV ▷ Alarm n type [1, 0 ~ 13]                        | <0400> RETT ▷ Retransmission output type [PV, PV/SV/MV]      | <0500> SUB1 ▷ Sub 1 output type [ALM1, ※1]                     |
| <0101> SV-H ▷ Set value (SV) high limit [1370, refer to input range] | <0207> AT ▷ Auto-tuning(AT) [OFF, OFF or ON]                       | <0301+(n-1)x4> AL-n ▷ Alarm n value [※1]                              | <0401> T-SH ▷ Retransmission output high limit [1370, ※1]    | <0501> SUB2 ▷ Sub 2 output type [ALM2, ※1]                     |
| <0102> SV-L ▷ Set value (SV) low limit [-200, refer to input range]  | <0208> ARW ▷ Anti-reset wind-up (ARW) [Auto, Auto or 50.0 ~ 200.0] | <0302+(n-1)x4> ARnD ▷ Alarm n deadband [1, ※1]                        | <0402> T-SL ▷ Retransmission output low limit [-200, ※1]     | <0502> SUB3 ▷ Sub 3 output type [ALM3, ※1]                     |
| <0103> SV-1 ▷ Set value 1 (SV 1) [-200, refer to input range]        | <0209> ALPA ▷ Alpha [50, 0 ~ 100]                                  | <0303+(n-1)x4> ALnS ▷ Alarm n output hold status [RST, RST or SET]    | <0403> T-AH ▷ Retransm. output high adjust. value [0, ※1]    | <0503> SUB4 ▷ Sub 4 output type [ALM4, ※1]                     |
| <0104> SV-2 ▷ Set value 2 (SV 2) [-200, refer to input range]        | <a=0210> 1PID ▷ 1.PID group  | <0316> LBTM ▷ Loop break alarm time [480.0 ~ 7200]                    | <0404> T-AL ▷ Retransm. output low adjust. value [0, ※1]     | <0504+ (n-1)x4> ANnD ▷ Alarm n ON delay time [0.0 ~ 999]       |
| <0105> SV-3 ▷ Set value 3 (SV 3) [-200, refer to input range]        | <a=0219> 2PID ▷ 2.PID group  | <0317> LBSV ▷ Loop break alarm set value [2, EUS 0.0 ~ 5.0%]          | <0405> REME ▷ Enable remote input [OFF, OFF or ON]           | <0505+ (n-1)x4> ANnF ▷ Alarm n OFF delay time [0.0 ~ 999]      |
| <0106> SV-4 ▷ Set value 4 (SV 4) [-200, refer to input range]        | <a=0228> 3PID ▷ 3.PID group  | <0318> LBDDB ▷ Loop break alarm deadband [2, EUS 0.0 ~ 5.0%]          | <0406> REMH ▷ Remote input high limit [5.000, 1.000 ~ 5.000] | <0506+ (n-1)x4> ANnEC ▷ Alarm n contact type [N.O, N.O or N.C] |
| <a+0> nP ▷ n. proportional band (heating) [EUS 5.0%, ※1]             | <a=0237> 4PID ▷ 4.PID group  | <0319> LBSH ▷ Loop break alarm output hold status [RST, RST or SET]   | <0407> RELM ▷ Remote input low limit [1.000, 1.000 ~ 5.000]  | <0507+ (n-1)x4> ANnLT ▷ Alarm n output hold [0, ※1]            |
| <a+1> nI ▷ n. integral time (heating) [240, OFF or 1 ~ 6000]         | <0246> RMDP ▷ Ramp-up [OFF, refer to input range]                  | <0320> HB-1 ▷ Heater break alarm 1 set value [OFF, 1.0 ~ 50.0]        | <0408> R-SH ▷ Remote input high scale value [1370, ※1]       | <0520> LOND ▷ Loop break alarm ON delay time [0, 0 ~ 999]      |
| <a+2> nD ▷ n. derivative time (heating) [60, OFF or 1 ~ 6000]        | <0247> RMDT ▷ Ramp-up time [01.00, 00.01 ~ 99.59]                  | <0321> HBDB ▷ Heater break alarm 1 deadband [0.5, 0.1 ~ 50.0]         | <0409> R-SL ▷ Remote input low scale value [-200, ※1]        | <0521> LOFD ▷ Loop break alarm OFF delay time [0, 0 ~ 999]     |
| <a+3> nMR ▷ n. manual reset [50.0, -5.0 ~ 105.0]                     | <0248> RMDR ▷ Ramp-down [OFF, refer to input range]                | <0015> CTM1 ▷ Current detection 1 monitoring [0, 0.0 ~ 55.0]          | <0410> R-AH ▷ Remote input high adjust. value [0, ※1]        | <0522> LREC ▷ Loop break alarm contact type [N.O, N.O or N.C]  |
| <a+4> nPC ▷ n. proportional band (cooling) [EUS 5.0%, ※1]            | <0249> RMDT ▷ Ramp-down time [01.00, 00.01 ~ 99.59]                | <0322> HB-2 ▷ Heater break alarm 2 set value [OFF, 1.0 ~ 50.0]        | <0411> R-AL ▷ Remote input low adjust. value [0, ※1]         | <0523> LRET ▷ Loop break alarm output hold [OFF, OFF or ON]    |
| <a+5> nIC ▷ n. integral time (cooling) [240, OFF or 1 ~ 6000]        | <0250> MVDL ▷ MV Bumpless [ON, OFF or ON]                          | <0323> HBDB ▷ Heater break alarm 2 deadband [0.5, 0.1 ~ 50.0]         |  | <0524> HDBE ▷ Enable heater break alarm 2 [OFF, OFF or ON]     |
| <a+6> nDC ▷ n. derivative time (cooling) [60, OFF or 1 ~ 6000]       |  | <0016> CTM2 ▷ Current detection 2 monitoring [0, 0.0 ~ 55.0]          |  | <0525> HOND ▷ Heater break alarm ON delay time [0, 0 ~ 999]    |
| <a+8> nDB ▷ n. heating/cooling deadband [3.0, -100.0 ~ 50.0]         |  | <0324> HBLS ▷ Heater break alarm output hold status [RST, RST or SET] |  | <0526> HOFD ▷ Heater break alarm OFF delay time [0, 0 ~ 999]   |

**Basic Menu: press and hold MD + I/K for 1 sec.**

|  |  |  |  |  |
|--|--|--|--|--|
| <0900> INP ▷ Input type [K0, ※1]                             | <0909> BIAS ▷ Input bias [0, ※1]                       | <0800> CNT1 ▷ OUT1 control mode [PID, ONOFF or PID]    | <0803> CP ▷ Control cycle (OUT1) [※1]                  | <0803> CP ▷ Control cycle (OUT1) [※1]                  |
| <0901> UNIT ▷ Unit [°C, ※1]                                  | <0801> CNT2 ▷ OUT2 control mode [PID, NONE/ONOFF/PID]  | <0801> CNT2 ▷ OUT2 control mode [PID, NONE/ONOFF/PID]  | <0804> CPC ▷ Control cycle (OUT2) [※1]                 | <0804> CPC ▷ Control cycle (OUT2) [※1]                 |
| <0904> DP-P ▷ Decimal point position [1, ※1]                 | <0802> OACT ▷ Control direction [REV, REV or DIR]      | <0802> OACT ▷ Control direction [REV, REV or DIR]      | <0805> HYS ▷ ON/OFF control hysteresis (OUT1) [1, ※1]  | <0805> HYS ▷ ON/OFF control hysteresis (OUT1) [1, ※1]  |
| <0905> SL-H ▷ Scale high limit [100.0, -1999 ~ 9999]         | <0803> CP ▷ Control cycle (OUT1) [※1]                  | <0803> CP ▷ Control cycle (OUT1) [※1]                  | <0806> HYS2 ▷ ON/OFF control hysteresis (OUT2) [1, ※1] | <0806> HYS2 ▷ ON/OFF control hysteresis (OUT2) [1, ※1] |
| <0906> SL-L ▷ Scale low limit [0.0, -1999 ~ 9999]            | <0804> CPC ▷ Control cycle (OUT2) [※1]                 | <0804> CPC ▷ Control cycle (OUT2) [※1]                 | <0807> AL1V ▷ Alarm 1 value [1570, ※1]                 | <0807> AL1V ▷ Alarm 1 value [1570, ※1]                 |
| <0907> RJC ▷ Reference junction compensation [ON, OFF or ON] | <0805> HYS ▷ ON/OFF control hysteresis (OUT1) [1, ※1]  | <0805> HYS ▷ ON/OFF control hysteresis (OUT1) [1, ※1]  | <0808> AL1D ▷ Alarm 1 deadband [1, ※1]                 | <0808> AL1D ▷ Alarm 1 deadband [1, ※1]                 |
| <0908> FILT ▷ Input filter [OFF, OFF or 1 ~ 120]             | <0806> HYS2 ▷ ON/OFF control hysteresis (OUT2) [1, ※1] | <0806> HYS2 ▷ ON/OFF control hysteresis (OUT2) [1, ※1] | <0809> AL2V ▷ Alarm 2 value [1570, ※1]                 | <0809> AL2V ▷ Alarm 2 value [1570, ※1]                 |
| <0909> BIAS ▷ Input bias [0, ※1]                             | <0807> EO ▷ Emergency output (OUT1) [0, 0, ※1]         | <0807> EO ▷ Emergency output (OUT1) [0, 0, ※1]         | <0810> AL2D ▷ Alarm 2 deadband [1, ※1]                 | <0810> AL2D ▷ Alarm 2 deadband [1, ※1]                 |

**Simple menu: press and hold MD for 1 sec.**

|  |  |                          |  |
|--|--|--------------------------|--|
| <0201> AT ▷ Auto-tuning [OFF, OFF or ON] | <0301> AL-1 ▷ Alarm 1 setting [1570, ※1] | <a=0210> 1PID ▷ PID No.1 | <0805> HYS ▷ ON/OFF control hysteresis (OUT1) [1, ※1]  |
| <0302> AL-2 ▷ Alarm 2 setting [1570, ※1] | <0302> AL-2 ▷ Alarm 2 setting [1570, ※1] | <a=0219> 2PID ▷ PID No.2 | <0806> HYS2 ▷ ON/OFF control hysteresis (OUT2) [1, ※1] |
| <0303> AL-3 ▷ Alarm 3 setting [1370, ※1] | <0303> AL-3 ▷ Alarm 3 setting [1370, ※1] | <a=0228> 3PID ▷ PID No.3 |  |
| <0304> AL-4 ▷ Alarm 4 setting [-200, ※1] | <0304> AL-4 ▷ Alarm 4 setting [-200, ※1] | <a=0237> 4PID ▷ PID No.4 |  |

**※ 1 : Refer to the User's Manual**  
 ※ Please visit our homepage ([www.hanyoungnux.com](http://www.hanyoungnux.com)) and refer to the user manual in the archive.

**※ 2 : Key to move to operation mode screen**  
 Press and hold MD in the parameter setting screen for 1 sec. to move to operation mode screen

**※ 3 : Move to group name display**  
 Press MD during parameter display to move to group name (but during parameter display in n.PID, it moves to n.PID).

**※ The parameter display differs depending on suffix code options and parameter settings.**