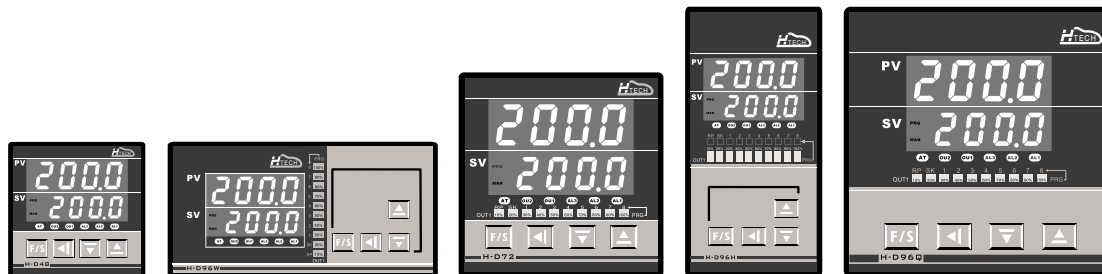


## Microprocessor PID controller

CE

H-D72 H-D96Q  
H-D48 H-D96W H-D96H

**WARNING**  
1. To prevent electric shock or instrument failure, always turn off the system power before replacing mounting or moving the instrument and sensor.  
Contact for or SSR/SCR  
2. To prevent electric shock or instrument failure, do not turn on the power until all the wiring is completed.  
3. To prevent interruption, input signal wire must be isolated with main power wire.  
4. To check if the connecting sensor matches with selected input before use.



### Display unit & Indication lamps

PV	=Measured value display
SV	=Set value display
AL1	=Alarm 1 output lamp
AL2	=Alarm 2 output lamp
AL3	=Alarm 3 output lamp
OUT1	=Control output 1 lamp
OUT2	=Control output 2 lamp
AT	=Autotuning lamp
MAN	=Manual mode lamp
OP	=Manipulated output value display
PRG	=Programmable mode lamp
1-8	=Segment-in-process display lamp
RP	=Ramping mode lamp (programmable mode only)
SK	=Soaking mode lamp (programmable mode only)

### Operation keys

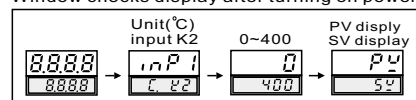
[F/S]	=Function & Set key
[←]	=Shift key
[↓]	=Down key
[↑]	=Up key
[3 sec]	Press 3 sec while the SV is not flashing = Used for returning to initial window
[3 sec]	Press 3 sec while in level selection window = Used for calling up lock function
[3 sec]	Press 3 sec while in pv/sv initial window = Used for stopping output and SV window will display "HOLD" [3 sec] press 3 sec again to regain output (This function is available only while OUTM is selected 1 or 2)
[F/S]	Press 3 sec while in pv/sv initial window = Used for calling up level selection
[F/S]	Press 3 sec while in level selection window = Used for entering each level

### Operation keys (programmable mode only)

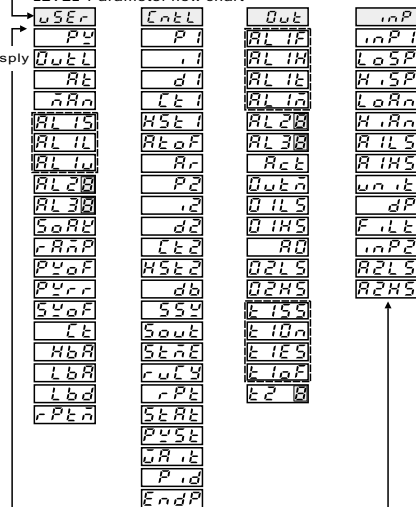
These keys are only operated in PV/SV initial window	
[3 sec]	=Run PRG lights, RP or SK flashes The executing segment lamp lights
[3 sec]	=Pause PRG, RP and SK light The executing segment lamp lights
[↑]	=Jump Jump to the next segment, press [↑] first
[↓]	=Stop Turn off all lamps which used for programmable mode, press [↓] first

Refer to arrow [↑] When PRG Lights (No PRG light in H-D48)

### Window checks display after turning on power

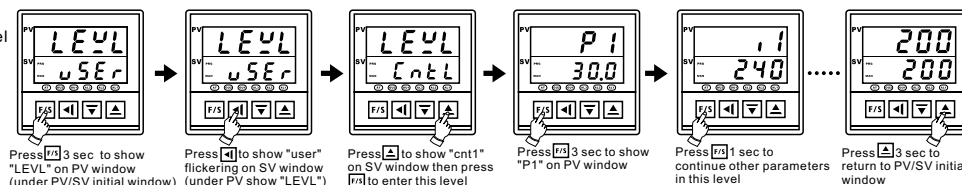


### LEVEL Parameter flow chart

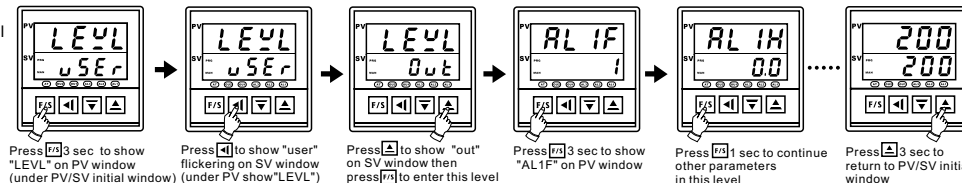


### D How to enter different "level" for setting parameter

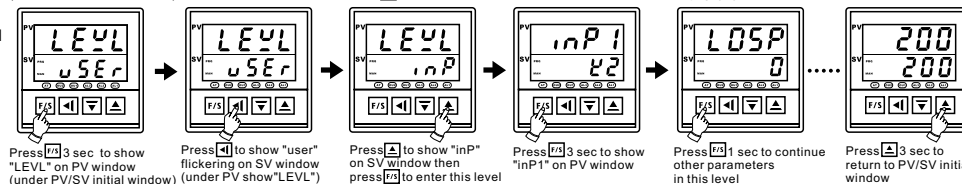
#### (1) Enter "CntL" level



#### (2) Enter "Out" level



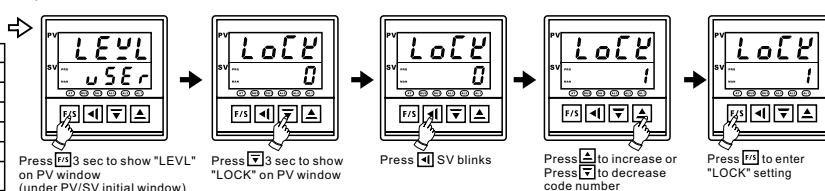
#### (3) Enter "inP" level



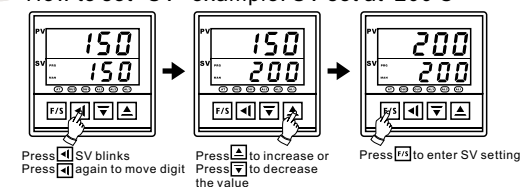
### E How to set "LoCK" function

[LOCK]	all parameters are locked except PV
[LOCK]	all parameters are locked except SV
[LOCK]	open "cntL" level
[LOCK]	open "out" level
[LOCK]	open "inP" level

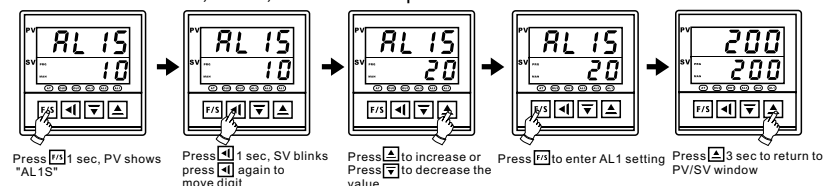
Opening other levels need to contact distributor



### A How to set "SV" example: SV set at 200 °C



### B How to set "AL1S,AL2S,AL3S" example: alarm 1 set at 20 °C



### C How to set "AT" (auto tuning)

