

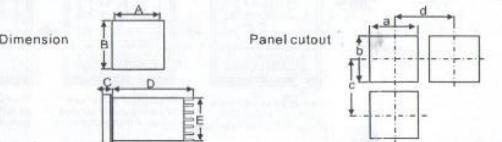


Parameter	Description	Range	Initial value
Pv	Process value	LoSP~HiSP	
Sv	Set value	LoSP~HiSP	0.0
uSER			
DutL OutL	Output percentage	0.0~100.0%	0.0
Rt At	Auto tuning	No / yes	No = no Man = power failure memory Mem = no memory
Man	Manual mode	Man1 = power failure memory Man2 = no memory	no
AL1S AL1S	Alarm 1 set value	If ALIF set at 1 or 2 range= -200~200 If ALIF set at 3 or 4 range= LoSP-HiSP	10.0
AL1L AL1L	Alarm 1 lower set value	If ALIF set at 1 or 2 range= -1~8 If ALIF set at 3 or 4 range= -200~200	10.0
AL1U AL1U	Alarm 1 upper set value	=0~200	10.0
AL2S AL3S	For operating functions refer to the above descriptions		
S0Rv SoAk	Perform only when ALM1 set at 8 or 9	0.00~99.59 (h·m)	0.00
rRnP rAmp	Ramp	0.0~200.0/m	PV*Pvrr
PvOf PvOf	Pv offset	-200~200	(+1) PV (-1) PV
Pvrr Pvrr	Pv ratio	0.001~9.999	1.000
SvOf SvOf	Sv offset	-200~200	0.0
Ct Ct	Current transformer monitor	0.0~100.0A	
HbR HbA	Heater break alarm time	0.1~100.0A	0.1
LbR LbA	Control loop break alarm time	0.1~200.0 min	8.0
Lbd Lbd	LBA dead band	0.0~200.0	0.0
rPt rPtm	Repeat times monitor	1~1000	
EntL			
P1 P1	Output 1 proportional band	0.0~3000	30.0
i1 i1	Output 1 integral time	0~3600	240
d1 d1	Output 1 derivative time	0~900	60
Ct1 Ct1	Output 1 cyclic time	0~150	15
HSE1 HS11	Output 1 hysteresis	0.0~200.0	1.0
RtoF AtoF	At offset	-200~200	0.0
Rr Ar	Anti-reset windup	0~100.0% SV-P1 x Ar	100.0
P2 P2	Output 2 proportional band	0.0~3000	30.0
i2 i2	Output 2 integral time	0~3600	240
d2 d2	Output 2 derivative time	0~900	60
Ct2 Ct2	Output 2 cyclic time	0~150	15
HSE2 HS12	Output 2 hysteresis	0.0~200.0	0.0
db db	Dead band/overlap	-200.0~200.0	0.0
SSv Ssv	Soft start set value	0.0~200.0	120.0
Sout Sout	Soft start output percentage	0.0~100.0%	30.0
StAE StmE	Soft start failed time	0~10 min	10
ruCY ruCy	Motor valve cyclic time	1~150 sec	5
rPt rPt	Program executing times	1~1000	1
* StRE StAt	Start mode selection	rSET= start after power ON Hot = start from memory of power failure	CoLD = manual
* PvSt PvSt	Start point selection	rSET = start from 0 Pv = start from Pv	rSET
* rAt rAt	Wait value in program	0.0~200.0	0.0
* Pd Pd	PID/Level PID selection	Pid = Pid Lpid = Level Pid	Pid
* EndP EndP	Selects control when program ended	Cont = Continue Stop = One program only	StoP

\* They are used in programmable mode only

Parameter	Description	Range	Initial value
<b>Out</b>			
AL1F AL1F	Alarm 1 action function	0~12 (see Fig 1)	1
AL1H AL1H	Alarm 1 hysteresis	0.0~200.0	0.0
AL1I AL1I	Alarm 1 in program mode on time	0.00~99.59 (h · m)	0.00
AL1L AL1L	Alarm 1 special mode selection	(see Fig 2)	0
For operating functions refer to the above descriptions Different function see(1),(2),(3)			
AL2F AL2F	Alarm 2 special mode selection (See Fig 2) 0~7		
AL3F AL3F	Alarm 3 action function (See Fig 1) 0~11		
AL3M AL3M	Alarm 3 special mode selection (see Fig 2) 0~7		
Rct Act	Control action selection	Cool/ HEAT	HEAT
0ILS O1LS	Output 1 scale low	0.0~100.0%	17.6
0IHS O1HS	Output 1 scale high	0.0~100.0% Pv=transmit PV Sv=transmit SV	96.0
0AO AO	Analog output selection	dEv=transmit (PV-SV) Mv=transmit output percentage	Pv
02LS O2LS	Output 2 scale low	0.0~100.0%	17.6
02HS O2HS	Output 2 scale high	0.0~100.0%	96.0
tSS t1SS	Time signal 1 start segment setting	1~8	1
t1On t1On	Time signal 1 on time setting	0.00~99.59 (h · m)	0.01
t1ES t1ES	Time signal 1 end segment setting	1~8	1
t1Of t1Of	Time signal 1 off time setting	0.00~99.59 (h · m)	0.01
t2SS t2SS	For operating functions refer to the above descriptions		

inP	inP1 inP1	Input 1 selection	(see Fig 3)	K2
LoSP LoSP	Low setting limit	LOSP-HISP	0.0	
HiSP HiSP	High setting limit	LOSP-HISP	400.0	
LoAn LoAn	Analog input range low	-1999~9999	0.0	
HiAn HiAn	Analog input range high	-1999~9999	100.0	
A1LS A1LS	Analog input 1 scale low	0~FFFF		
A1HS A1HS	Analog input 1 scale high	0~FFFF		
unit unit	Unit selection	°C/°F/non	°C	
dP dP	Decimal point	0/0.0/0.00/0.000	0.0	
FILT FILT	Digital filter	0.001~Non 1.000~Cl = use for heater break alarm	0.200 non	
inP2 inP2	Input 2 selection	rmSV= use for remote SV		
A2LS A2LS	Analog input 2 scale low	0~FFFF		
A2HS A2HS	Analog input 2 scale high	0~FFFF		



MODEL	A	B	C	D	E	a	b	c	d	Unit:mm
H-D96Q	96	96	10.5	83	90	91 ± 0.5	91 ± 0.5	120	120	
H-D72	72	72	10.5	83	67	68 ± 0.5	68 ± 0.5	100	100	
H-D96W	96	48	10.5	83	43	91 ± 0.5	46 ± 0.5	70	120	
H-D96H	48	96	10.5	83	90	46 ± 0.5	91 ± 0.5	120	70	
H-D48	48	48	10.5	83	45	46 ± 0.5	46 ± 0.5	70	70	

Fig 1. Alarm Mode Selection  
(used in parameter AL1F, AL2F, AL3F)

AL1F	AL2F	AL3F	Alarm function selection
0	0	0	No alarm
1	1	1	Deviation high alarm
2	2	2	Deviation low alarm
3	3	3	Absolute high alarm
4	4	4	Absolute low alarm
5	5	5	Deviation high/low alarm
6	6	6	Band alarm
7	7	7	System failure alarm (when error information happen)
8	8	8	Loop break alarm
9	9	9	Heater break alarm
10	10	10	Segment ending alarm in program control
11	11	11	Program ending alarm in program control
12	12	12	Time signal alarm
13	13	13	Program running alarm in program control

Fig 4. (used in parameter InP1 )  
input & temperature ranges selection

TYPE	°C	°F
K1	0~200	32~392
K2	0~400	32~752
K3	0~800	32~1472
K4	0~1000	32~1832
K5	0~1200	32~2192
J1	0~200	32~392
J2	0~400	32~752
J3	0~800	32~1472
J4	0~1000	32~1832
J5	0~1200	32~2192
t1	-50~50	-58~122
t2	-100~100	-148~212
t3	-200~400	-328~752
r	0~1700	32~3092
E	0~1000	32~1832
S	0~1700	32~3092
b	0~1800	32~3272
n	-200~1300	-328~2372
Pt1	-50~50	-58~122
Pt2	0~100	32~212
Pt3	0~200	32~392
Pt4	0~400	32~752
Pt5	-200~600	-328~1112
Pt6	-200~500	-328~932
Lin	-1999~9999	

Fig 2. special alarm function selection  
(used in parameter AL1M, AL2M, AL3M )

AL1M	AL2M	AL3M	Special alarm mode selection
0	0	0	Normal
1	1	1	Alarm with normal-close contact
2	2	2	Latch
3	3	3	Alarm with normal-close contact and latch
4	4	4	Alarm with inhibit
5	5	5	Alarm with inhibit and normal-close contact
6	6	6	Alarm with inhibit and latch
7	7	7	Alarm with on-delay timer
8			Alarm with on-delay timer but normal-close contact
9			Alarm with soaking timer
10			Alarm with soaking timer but normal-close contact

Error information

Display	description
in1E	Input 1 error
AdCF	A/D converter failed
CJCE	Cold junction compensation failed
in2E	Input 2 error
PvBlinks	PV exceeds set Ranges
rRnP	Ram failed
intF	Interface failed
RutF	Auto tuning failed

