

Parameter	DESCRIPTION	RANGE	Initial value
PV Pv	Process value	LoSP~HiSP	
SV Sv	Set value	LoSP~HiSP	0.0

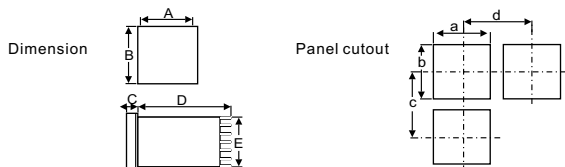
OutL	Output percentage	0.0~100.0%	0.0
At	Auto tuning	No / yes No = non Man1 = power failure memory Man2 = no memory	no
Man	Manual mode		no
AL1S	Alarm 1 set value	set at 1 or 2 range = 200~200 set at 3 or 4 range = LoSP~HiSP If AL1F set at 10 range = 1-8 segment ending	10.0
AL1L	Alarm 1 lower set value		10.0
AL1u	Alarm 1 upper set value		10.0
AL2S / AL3S	AL2S / AL3S For operating functions refer to the above descriptions		
SoAK	Perform only when ALM1 set at 8 or 9	0.00~99.59 (h.m)	0.00
rAmP	Ramp	0.0~200.0/m PV*Pvrr	0.0
PvOF	Pv offset	-200~200	0.0
Pvrr	Pv ratio	0.001~9.999	1.000
SvOF	Sv offset	-200~200	0.0
Ct	Current transformer monitor	0.0~100.0A	
HbA	Heater break alarm time	0.1~100.0A	0.1
LbA	Control loop break alarm time	0.1~200.0 min	8.0
LbD	LBA dead band	0.0~200.0	0.0
rPtM	Repeat times monitor	1~1000	

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
HS1t HSt1	Output 1 hysteresis	0.0~200.0	1.0
AtOF	At offset	-200~200	0.0
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
HS2t HSt2	Output 2 hysteresis	0.0~200.0	0.0
db db	Dead band/overlap	-200.0~200.0 heating cooling	0.0
SSv	Soft start set value	0.0~200.0	120.0
Sout	Soft start output percentage	0.0~100.0%	30.0
StmE	Soft start failed time	0~10 min	10
ruCy	Motor valve cyclic time	1~150 sec	5
rPt	Program executing times	1~1000 CoLd = manual	1
StAt	Start mode selection	rSET = start after power ON Hot = start from memory of power failure	CoLd
PvSt	Start point selection	RSET = start from Pv Pv = start from Pv	rSET
wAit	Wait value in program	0.0~200.0	0.0
Pid	PID/Level PID selection	Pid = Pid Lpid = Level Pid	Pid
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
AL1F	Alarm 1 action function	0~12 (see Fig 1)	1
AL1H	Alarm 1 hysteresis	0.0~200.0	0.0
AL1t	Alarm 1 in program mode on time	0.00~99.59 (h · m)	0.00
AL1m	Alarm 1 special mode selection	(see Fig 2)	0
AL2F	Alarm 2 action function	0~7 (1)AL2M Alarm 2 special mode selection (See Fig 2)	0~7
AL3F	Alarm 3 action function	0~11 (2)AL3F Alarm 3 action mode selection (See Fig 1)	0~11
AL3M	Alarm 3 special mode selection	(see Fig 2)	0~7
Act	Control action selection	Cool / Heat	
O1LS	Output 1 scale low	0.0~100.0%	17.6
O1HS	Output 1 scale high	0.0~100.0% Pv=transmit PV Sv=transmit SV	96.0
AO	Analog output selection	dEv=transmit (PV-SV) Mv=transmit output percentage	Pv
O2LS	Output 2 scale low	0.0~100.0%	17.6
O2HS	Output 2 scale high	0.0~100.0%	96.0
t1SS	Time signal 1 start segment setting	1~8	1
t1On	Time signal 1 on time setting	0.00~99.59 (h · m)	0.01
t1ES	Time signal 1 end segment setting	1~8	1
T1oF	Time signal 1 off time setting	0.00~99.59 (h · m)	0.01
t2SS	For operating functions refer to the above descriptions		

inP1	Input 1 selection	(see Fig 3)	K2
LoSP	Low setting limit	LoSP~HiSP	0.0
HiSP	High setting limit	LoSP~HiSP	400.0
LoAn	Analog input range low	-1999~9999	0.0
HiAn	Analog input range high	-1999~9999	100.0
A1LS	Analog input 1 scale low	0~FFFF	
A1HS	Analog input 1 scale high	0~FFFF	
unit	Unit selection	°C/°F/non	°C
dP	Decimal point	0/0.0/0.00/0.000	0.0
Filt	Digital filter	0.001~1.000 Non = no function Ct = use for heater break alarm	0.200
inP2	Input 2 selection	rmSV = use for remote SV	non
A2LS	Analog input 2 scale low	0~FFFF	
A2HS	Analog input 2 scale high	0~FFFF	



MODEL	A	B	C	D	E	a	b	c	d
H-D96Q	96	96	10.5	83	90	91 ^{+0.5} ₋₀	91 ^{+0.5} ₋₀	120	120
H-D72	72	72	10.5	83	67	68 ^{+0.5} ₋₀	68 ^{+0.5} ₋₀	100	100
H-D96W	96	48	10.5	83	43	91 ^{+0.5} ₋₀	46 ^{+0.5} ₋₀	70	120
H-D96H	48	96	10.5	83	90	46 ^{+0.5} ₋₀	91 ^{+0.5} ₋₀	120	70
H-D48	48	48	10.5	83	45	46 ^{+0.5} ₋₀	46 ^{+0.5} ₋₀	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		Time signal alarm
13	13		Program running alarm in program control

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 inhibit, normal-close contact and latch
8			Alarm with on-delay timer
9			Alarm with on-delay timer but normal-close contact
10			Alarm with soaking timer
11			Alarm with soaking timer but normal-close contact

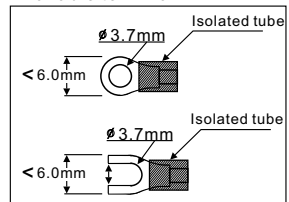
Error information

Display	description
in1E	Input 1 error
AdCE	A/D converter failed
CJCE	Cold junction compensation failed
in2E	Input 2 error
PV Blinks	PV exceeds set Ranges
rRnF	Ram failed
in1F	Interface failed
AutF	Auto tuning failed

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
t1	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
jPt	-200~500	-328~932
Lin	-1999~9999	

Available terminal



External terminal

