TEMPERATURE CONTROLLER

Model		HY-5000
Appearance		
W×H×D (㎜)		72 x 72 x 110
Power voltage		100 / 220 V a.c (50/60 ㎐)
Power Consumption		5 VA
Input		T.C , R.T.D , Voltage/current
Control output		Relay contact : 250 V a.c 3 A (Resistive load), SSR: 12 V d.c (Constant voltage pulse) (Load resistance Min. 800Ω), current output: 4 - 20 mA d.c (Load resistance Min. 600Ω)
Control action		Proportional or ON/OFF contact
Alarm output		Relay contact: 250 V a.c 3 A(Resistive load)
Control sensitivity		±0.2 % of F.S
Permissible input resistance		Thermocouple : Max. 100 Ω , R.T.D: Max. 10 Ω/wire
Setting		Analog setting
Display		Analog indication
Setting and display accuracy		The same as SV, ±2.0 % of F.S
Alarm setting range		—
Proportional cycle		Relay contact : 25 ~ 30 sec , SSR : 2 ~ 4sec
Reset range		±1.5 % of F.S
Dielectric strength		2,000 V a.c for 1 minute
Vibration	Malfunction	2 - 55 ㎐, X · Y · Z, each position for 10 minutes
	Durability	10 - 55 ㎐, 0.76 ㎜, X · Y · Z, each position for 2 hours
Shock	Malfunction	100 ㎨ 6 positions, Each 3 times
	Durability	300 ㎨ 6 positions, Each 3 times
Life	Mechanical	More than 10 million times
	Electrical	More than 0.3 million times
Ambient temperature and humidity		0 ~ 50 ℃(32~122 ℉) · 35 ~ 85 %R.H. (Without condensation)

ANALOG TEMPERATURE CONTROLLER

Model		HY-2000	HY-1000	ND4
Appearance				
W×H×D (㎜)		96×96×104	72×72×110	48×48×80
Power voltage		110/220 V a.c (50/60 ㎐)		
Power consumption		2 VA		
Input		Thermocouple, R.T.D (DIN, JIS Pt100 Ω)		
Control Output		Relay contact : 250 V a.c (Resistive load)		
Control action		Proportional or ON/OFF control		
Permissible input resistance		Thermocouple : Max. 100 Ω , R.T.D: Max. 10 Ω / wire		
Setting		Analog setting		
Setting and display accuracy		±1.0 % of F.S		
Control sensitivity		0.2 % of F.S (Fixed)		
Proportional cycle		Relay contact : 25 ~ 30 sec.		
Dielectric strength		2,000 V a.c 50/60 ㎐ per 1 minute (Between + and - charging terminals)		
Vibration	Malfunction	2 - 55 ㎐, X · Y · Z each positions for 10 minutes		
	Durability	10 - 55 ㎐, 0.76 ㎜, X · Y · Z each positions for 2 hours		
Shock	Malfunction	100 ㎨ 6 position, each 3 times (Approx. 10 G)		
	Durability	300 ㎨ 6 position, each 3 times (Approx.30 G)		
Life	Mechanical	Min. 10 million times (Relay type)		
	Electrical	Min. 0.3 million times (Relay type)		
Ambient temperature and humidity		0 ~ 50 ℃(32 ~ 122 ℉) · 35 ~ 85 % R.H. (without condensation)		