THERMAL SET CONTROLLER SET AND A SET A SET

- Damper & Elevator chamber type support
- SD memory card support

CE

- **Digital Recorder function**
- Separation Type product configuration
- Various Defrosting Type support
- High resolution screen
- CE/IP65 Certificate

			LINI VF P	ATTERN 1	i
	SP = I.		MV	0.0%	::
				C_,c	+
	-50.0				*
		5° (unit	- 5	50.5°°	~
	SP SP MV	SP	-50.5	MV 6.5%	
	LD.OF H.FAN R.FAN L.FA PATTERN CYCLE: 0005/10	AL2 HD.01 N RUN N2GAS	HD.OF RD.	N RD.OF LD.ON LZONE DFR	
	RUN. PID(H/L): 3 / 1	TOTAL PRO	DCESS TIME:	0000H30M00S	1
#	PATTERN	END MODE:	DEFROST		θ
		1	entr		



MAIN

HOLD STEP

-KEY TOP

TEMP 25008 THERMAL SHOCK TEST CONTROLLER 



Main Functions >



Easy and Convenient Touch Type Easy operation and setting using touch screen interface



Digital Graphic Recording Function

Real-time Monitoring & Data manage Operation Status of Present Value(Zone of Experiment, High, Low) through Full Digital Graph



Various Pattern Operations Six types programmable operation

Total 120 pattern/999.59M. 59S



Standby Type Select

In case Operation Starts, select Standby-act(Pre-Heating, Pre-Cooling) & select conditions for Standby-act cancel



Various Defrosting Methods



Parameter Backup and Recording >

Setting the SD card saving





Available for up/down of the pattern and paramete

• Available for saving into internal memory and SD card



Digital Input

Operation/stop, hold/step, pattern selection, damper sensing and error detection are available by using the 16 points DI input signal and it supports the DO output for error name change and DI input



Digital Output

73 types of DO signals (Arithmetic, DI, Damper, IS, TS, ALM, RUN) are available with 32 points (12+20) contact point output



Powerful Communication Environment

Basic include RS232C/485 serial communication (Communication speed 115,200bps) Ethernet support option



Multi Language Manu KOR/ENG

Supporting of various languages of Korean, English and Chinese CHN/JPN / Korean, English and Japanese and it is appropriate for globalization



Function of Input Data Calibration

Available for entire calibration for general application and sectional calibration 8 points of calibration in laboratory section

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Free Operation S/W >

- Free serial. Ethernet operation S/W
- Convertible to excel and text file
- Real time monitoring
- Management of up/download of pattern and parameter



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Being the leader of controller market in the 21th century with the best technology



Separated Type Hardwares >

- Configuration in separation of display, controller and input/output board
- Function of Panel mount and VESA mount

Configuration of various system and easy workability



Various Screen Configuration for Easy Operation >

Pattern editing screen



 Setting the repetition, standby and defrosting in each pattern Pattern graph display screen



 Available for checking pattern repeating period and progress Saving graph checking screen



• Available for checking the saved graph and SD card

DI error screen (Images)



• Available for display of the DI error by images

Product Specification

Group	Item	TEMP2500S	TEMP2700S			
Screen	Display	5.7" TFT-LCD	7.5" TFT-LCD			
	Resolution	640(W) × 480(H)				
	Language	English, Korean, Chinese / English, Korean, Japanese				
	User screen	Change of initial screen, Electronic album function				
	Mount type	PANEL mount, VESA mount(MIS-D 75)				
Analog input	Input quantity	3points(High temperature room, Low temperature room and laboratory room/Universal input)				
	Sensor type	TC K, J, E, T, R, B, S, L, N, U, W, Platinel II , C				
	Sampling time	500ms				
	Input accuracy	±0.1% of full scale ±1 digit(A/D 18bits)				
Analog output	Output specification	Voltage output(SSR) 4points ON voltage 24V DC(Load resistor : Min. 600Ω/Pulse width : Min. 5ms)				
	(Max. 4points)	Current output(SCR) 4points 4~20mA DC(Load resistor : Max. 600Ω)				
	Output type	Control output /Transmission output (High temperature room PV, Low temperature room PV and laboratory room PV)				
	Output accuracy	±0.3%(D/A 14bits)				
	Contact point specification	ecification Basic 16points(Contact point capacity : Max. 12V DC, 10mA) Selection of operation for A or B point				
Digital input	Contact point function	Run/Stop/Hold/Step, selectable run patterns, set DI detect delay time, select DI error monitor(text or picture), damper sensing for high temp. room/Room temp. room/low temp. room				
Digital output	Contact point quantity	Basic 12points(8points of A contact point relay + 4points of C contact point relay), Option add function(20point of A contact point relay) Normal open(Max. 30V DC/1A, 250V AC/1A), Normal close(Max. 30V DC/1A, 250V AC/1A)				
	Signal type	Inner signal(8points) Time signal(4points) Alarm signal(4point) DI signal(16points) Manual signal(12points) Run signal(1point) Logical signal(3points) Error signal(1point) Wait signal(2points) Fan signal(3points) Damper signal(6points) Defrosting signal(1points)	s) Ref signal(2points) Sensor open signal(3points) Sol valve signal(1point) Run end signal(1point) User signal(1points) N2 gas signal(1point) oint) Experiment signal(3points)			
Program	Patterns	120 patterns				
	Pattern type (6 types)	① High temp. → Low temp./② Low temp. → High temp./③ Room temp. → High temp. → Room temp. → Low temp./④ Room temp. → Low temp. → Room temp. → High temp. → Room temp. → Room temp. → Room temp. → High temp. → Room temp.				
	Repetition/Segment time	Max. 9999 times/999hours 59minutes 59seconds				
	Function	Wait, Pattern name, Power stop mode, PT end mode				
On exetien method	Operation specification	Damper, Elevator type				
Operation method	Defrosting method	Heater, Hot gas, Manual defrosting				
PID control	PID groups	4 PID groups(3 Zone PID groups + 1 Deviation PID group), *In case of applying the PID deviation, the Devation value of the high and low temp. room are applied separately				
Data back-up	Storage media	SD/SDHC card(FAT32 format)				
	Logging function	Program pattern/Backup and recovery of parameter set data, Available for saving the indicated setting value for laboratory, High temperature room and low temperature room				
Communication	Interface	Basic : Flexible to change between RS485/RS232C by DIP switch, Max. 31 nodes. Max. 115,200 bps, Option : Ethernet(TCP/IP) *In case of selection of ethernet, RS232C/485 is not available				
Power	Rated voltage	24V DC 22VA Max.				
	Lithium battery	For setup data retention(CR2032)				

External dimension and Panel cutting size





SD card SD : SD Card

Ethernet communication
CE : Ethernet(TCP/IP)

SDR100(Digital recorder)

It is a paperless full graphic digital recorder and it supports the high resolution TFT–LCD touch screen and SD card and it is a product with speedy graph search function,





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