HP21A _{∈ ∈}

1,2 or 3-level thermostat / proportional controller



MAIN SETTING (Run Mode)



Press SET (key lamp flashes):

this messagge will be displayed instead of the ° Set temperature value.



Press + or - to modify, press SET to modify sets 2 & 3

Default settings

Set.1 (25 °C) Lamp OFF IN2. = OPEN Set.2 (35 °C) Lamp FLASH IN2. = 100Ω Set.3 (80 °C) Lamp ON IN2. = CLOSED

VIEWING TEMPERATURE RECORDING

4	Press + :	will be displayed followed by *Maximum Temperature Recording.
	1.	*Maximum Temperature Recording.
•	Press - : [will be displayed followed by
	[°Minimum Temperature Recording.
		permanent stored: for memory clear keep pushed +
keys f	for more than 3 seconds:	CLEA messagge will be composed on display before
	ng operation.	

PRESET PROGRAMS (Bootstrap).

1	At delivery this processor is ready programmed with the following (variable) settings.
	To return to these settings at any time:
DET	Power off the processor, press SET key and keep it pressed giving power on: boot messagge
BET	will be displayed (release now SET key). t.SEt = 25.0°
	The COSt values are shown in COSt Programming
"HA	ND MODE"
In so	me start-up conditions may be useful to work in "hand" mode.

"HAND MODE"	ignamina in Janat - 215 //C
In some start-up conditions may b	pe useful to work in "hand" mode.
Power off the processor, press +	key and keep it pressed giving power on:
HAnd messagge will be displaye	d (release now + key).
Press +:	Press SET to activate Relay 1, or :
Press +:	Press SET to activate 0 - 10v out

You can press SET for a least two seconds to escape and return to the Run Mode.

COSt PROGRAMMING (System constants)



These settings refer to the mode operation of the system and must be made on initial start-up. Press - / + together for at least one second.

the message C.O.S.t. will be displayed.

Press than repeatly **SET** until interested variable's message is displayed (see table below) variable value and related messagge will be displayed.

Press + or - to set a new value and then SET to confirm.

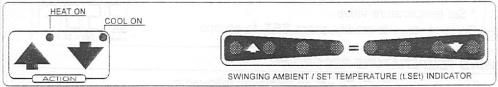
The next system constant will then appear.

You can press SET for a least two second to escape and return to the Run Mode.

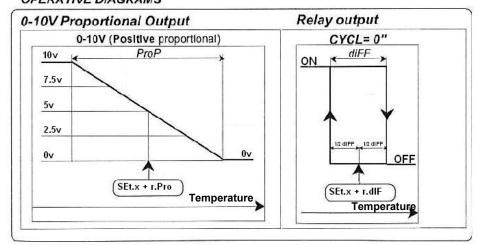
Mess.	Value	Meaning	Note
diFF	3°	Relay out Diff, 0° - 25°	*1)
R.dIF	3°	Relative relay out adjustment, -25 ° - 25°	*1)
ProP	5°	0-10v out proportional band, 0° - 25°	
R.Pro	0°	Relative 0-10v band adjustment, -25° - 25°	
bArG	6°	Bargraph band, 0° - 25°	
Ad.t1	0°	Adjustment for set 1, -25° - 25°	*2)
Ad.t2	0°	Adjustment for set 2, -25° - 25°	*2)
Ad.t3	0°	Adjustment for set 3, -25° - 25°	*2)
Set.	85°	Maximum Set.1/2/3 value 0° - 150°	V
n.SEt	=3	Number of sets, =1, =2, =3	1

^{*1)} For more details see Operating Diagrams.

STATE INDICATION LAMPS



OPERATIVE DIAGRAMS



INSTALLATION

How to connect the sensors

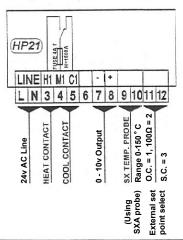
Connect the sensor provided as shown in the diagram. For remote connections use a standard 0.5-square millimeter two-pole wire, taking great care over the connections, by insulating and sealing the joins carefully. -O.C.- is displayed when the temperature sensor wiring is open, -S.C.- is displayed when the temperature sensor wiring is short circuit.

How to connect the line

Connect line on terminals L-N.

How to connect the contacts

Connect terminals on the terminal block (contacts up to 4AMP.AC1).



As it company policy to continually improve the products the Manufacturers reserve the right to make any modifications thereto without prior notice. They cannot be held liable for any damage due to malfunction.



^{*2)} You can correct the readings on the various sensors (+ or -).