

HP16

SL 2.0

Double double-level alarm



Handbook



MAIN SETTINGS (Run Mode)



ZONE 1 TEMPERATURE ALARM.

Press ZONE 1 (key lamp flashes):

This message will be displayed instead of the

*Set Minimum Alarm 1 temperature value.

Press + or - to modify. Press ZONE 1 to confirm.

AL. 1

At this point this message will be displayed instead of the

*Set Maximum Alarm 1 temperature value.

Press + or - to modify. Press ZONE 1 to exit.

AL. 1



ZONE 2 TEMPERATURE ALARM.

Press ZONE 2 (key lamp flashes):

This message will be displayed instead of the

*Set Minimum Alarm 2 temperature value.

Press + or - to modify. Press ZONE 2 to confirm.

AL. 2

At this point this message will be displayed instead of the

*Set Maximum Alarm 2 temperature value.

Press + or - to modify. Press ZONE 2 to exit.

AL. 2

ALARM DISABLING

Press key ZONE select (ZONE 1 or ZONE 2) for at least one second: -oF.1 (Zone 1) or -oF.2 (Zone 2) message will be displayed to confirm alarm disable.

Press ZONE 1 or ZONE 2 for at least one second for re-enable alarm.

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 then repeatedly ZONE 2 until interested variable's message is displayed (see table below): variable value and related message will be displayed.

Press + or - to set a new value and then ZONE 2 to confirm.

The next system constant will then appear.

You can press ZONE 2 for a least two second to escape and return to the Run Mode.



Mess.	Value	Meaning	Note
tEnP	=1	Temperature representation	*1)
Ad.t1	0.0°	° ZONE 1 input temperature sensor correction	*2)
Ad.t2	0.0°	° ZONE 2 input temperature sensor correction	*2)

*1) tEnP = 1 : °C Temperature range.

tEnP = 2 : °F Temperature range.

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

PRESET PROGRAMS



This processor is ready programmed with the following (variable) settings.

To return to these settings at any time:

Power off the processor, press ZONE 2 key and keep it pressed giving power on:

boot message will be displayed (release now ZONE 2 key).

AL. 1 = 15.0° AL. - 1 = 35.0° AL. 2 = 15.0° AL. - 2 = 35.0°

The COST values are shown in COST paragraphs.

"HAND MODE"



In some start-up conditions may be useful to work in "hand" mode.

Power off the processor, press + key and keep it pressed giving power on:

Hand message will be displayed (release now + key).

Push + until is displayed number required to be handed (see table relays "N" Relay) and

push ZONE 2 for activating relay.

Pushing again + for increase relay number previous relay is disactivated. You can press

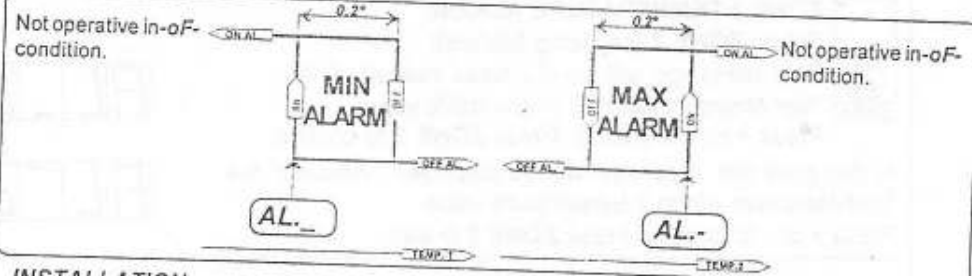
ZONE 2 for a least two seconds to escape and return to the Run Mode.

STATE INDICATION LAMPS

The lights situated at the bottom of the display show the state of the various relays as set out below.

Lamp.	State	N° Relay	Contacts
MIN (1)	Zone 1 on Minimum Alarm	1	3-4-5
MAX (1)	Zone 1 on Maximum Alarm	1	3-4-5
MIN (2)	Zone 2 on Minimum Alarm	2	6-7-8
MAX (2)	Zone 2 on Maximum Alarm	2	6-7-8

OPERATING DIAGRAM



INSTALLATION

How to connect the sensors

Connect the sensors provided as shown in the diagram. For remote connections use a standard 0.5-square millimetre two-pole wire for each sensor, 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 power line on terminals L-N.

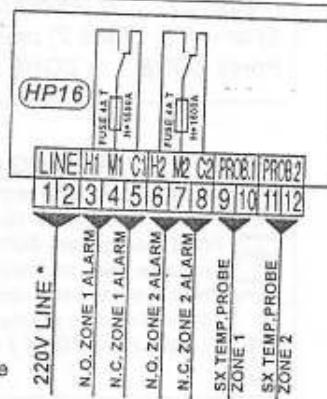
How to connect the contacts

Connect terminals on the terminal block

(contacts up to 4AMP.AC1)

to the loads as shown in the diagram.

* Other power voltage if you required



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