akribis

USER GUIDE

HLS 33

Produal

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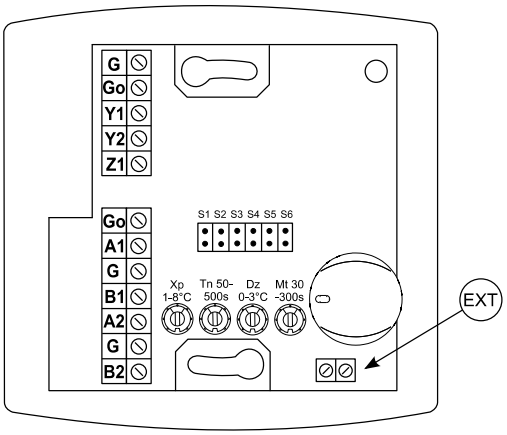


Coding by using jumpers

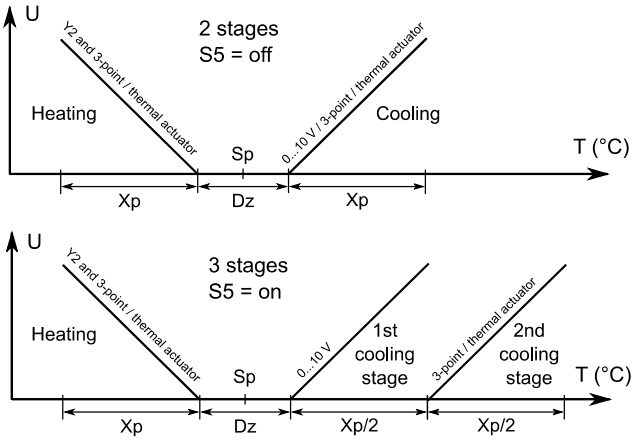
S1	● ●	*direct cooling output
	■	reversed cooling output
S2	● ●	*direct heating output
	■	reversed heating output
S3	● ●	*PI control mode
	■	P control mode
S4	● ●	3-point actuator
	■	*thermal actuator
S5	● ●	1-stage cooling
	■	*2-stage cooling
S6	● ●	Y1 (0…10 V) cooling output works first
	■	*3-speed/thermal actuator cooling output works first

* = Factory setting

Wiring terminals, trimmers, coding

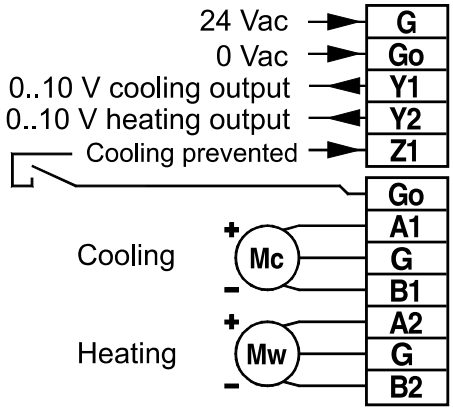


Stages

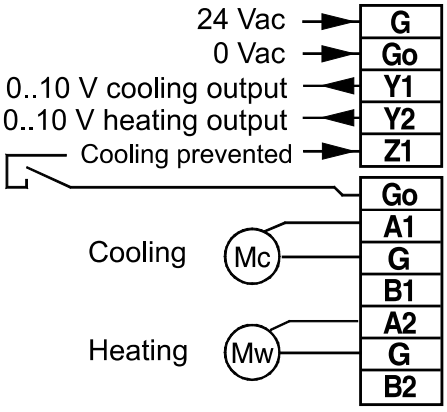


Connecting actuators

3-speed and 0…10 V actuators



Thermal and 0…10 V actuators



Information is subject to change without prior notice.

Things to be taken into account during commissioning

1. while changing trimmer positions or other settings, the setting values are shown on the HLS 33-N display (a display can be connected also temporarily for the commissioning procedure)
2. When the 3-speed output is in the control area edge, the output is driven against the edge for 5 seconds every 5 minutes
3. after a power failure, the 3-speed output is driven for 1,5 x running time to close the valve and to determine the position
4. if the cooling is prevented but the cooling is still needed, the green indicator light flashes every 30 seconds

NOTE: Block the air flow coming through the cable protection tubes.

Changing the set point potentiometer midpoint

The potentiometer midpoint range is 18…24 °C.

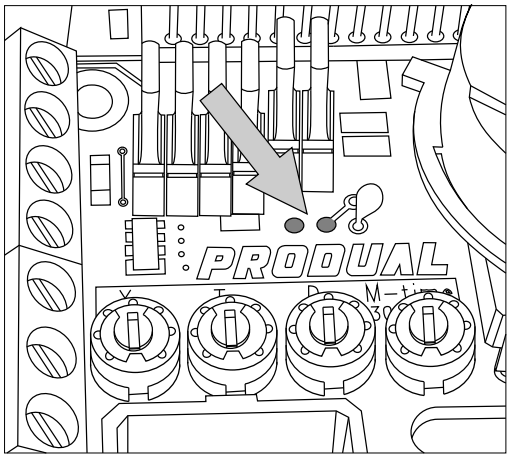
NOTE: It is useful to fit a display to HLS 33 models during the potentiometer midpoint setting. The display can be removed after the setting is done.

1. Make sure the device is connected to supply voltage.
2. Remove the device cover.
3. Turn the potentiometer to the position where the 21 °C set point is wanted to be.
4. Connect the soldering points shown on the figure for a while.

   Use e.g. a screwdriver for connecting.



Do not touch any other components



The midpoint changing is successful when 21.0 °C starts flashing on the display.

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