

TECHNI75 @89G7F-DHCB

This module measures the ambient temperature via a temperature measuring probe and will control the heating to the required temperature has been reached. The desired temperature can be set locally via the black '+' and '-' buttons, or the Luxom network.

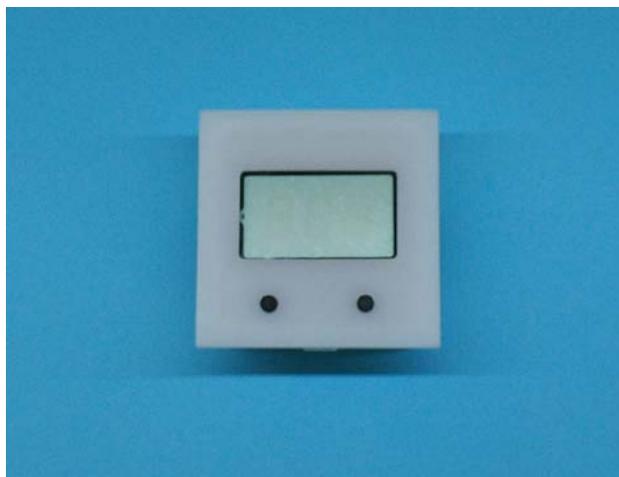
In total, this module provides six temperature regimes :

- 1- User 1
- 2- User 2
- 3- Comfort
- 4- Stand-by
- 5- Eco
- 6- Anti-frost

These regimes can via a pushbutton, touchscreen, presence detector or software be turned on and off.

If you have a window contact you can switch temporarily to regime 6 as long as the window is open.

Among the additional features are two adjustable alarm levels and 4 group controls. A red LED between the black buttons indicates whether the heater is on or off.



TECHNICAL DATA	
Product ID	59
BUS	CBUS
Communication	CSMA/CA
Power supply	24 VDC
Electrical consumption	0.1 VA
Installation	In wall socket box
Number of bus connections	1
BUS connection	RED (24VDC), GREEN (S) and BLACK (0VDC) wires

FUNCTIONAL DATA	
Control range	-25°C ... +102.5°C
Resolution internally	0.1°C
Resolution bus	0.5°C (8bit)
Bus command to control heating	On/off or 0-10V
Proportional band	+0.2 ... 3°K
Neutral zone	+0.1 ... 1.5°K
Offset measured temperature	-8,0°C...+7,9 (0.0625°C per step)
Warranty	3 jaar on exchange
Operating temperature	0 - 50° C
Protection level	IP 20
Dimensions LxWxH	40 x 40 x 15 mm
Number of DIN-rail modules 18 mm	-

SETTINGS

- A temperature regime is getting turned on by a Set command.
(Disabling a temperature regime can only be done by turning on another temperature regime)
- If you want to switch between different temperature regimes, then provide a pushbutton with LED for each regime. (this LED is necessary to indicate which temperature regime is active)
- ""You can also adjust the required temperature in increments of 0.5 °C via the bus Luxom by sending a 'Set' (+0.5°C), or a 'Clear'(-0.5°C) command on the address of the requested temperature.
- ""The temperature regime that is activated on power up of the bus voltage is adjustable. So this can be the anti-frost regime for your country retreat, while the standby regime is selected for your house.
- ""The module has two alarms with which you can turn on a fan, open a roof window or send an alarm message when the set temperatures are reached.
- ""Through four available group commands you can send dozens DS30LL modules via a Set command to a particular temperature regime. Very practical in large projects.
- Present/absent/window: through these settings, the temperature can be adjusted depending on the presence/absence of residents, whether or not the room is in use and / or a window is opened:

PlusConfig	Command	Action
Absence/Presence regime	Set	After "activation delay" temperature 'X' is switched to presence regime (<i>user 1, user 2 or comfort</i> depending on configuration) and after "deactivation delay" switches back to temperature 'X'.
	Clear	Through a 'Clear' command will be switched to the absence regime. (standby, eco or anti-frost regime depending on the configuration)
Window contact Set	Set	After 30 sec to anti-frost regime
	Clear	Back to the requested temperature
Window contact Clear	Clear	After 30 sec to anti-frost regime
	Set	Back to the requested temperature

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The module has 2 push buttons ('+' and '-'), an external temperature probe and an LCD display.

Changing temperature :

"+" Push button (left button): Increase requested temperature in increments of 0.5 ° C

"-" Push button (right button): lower requested temperature in increments of 0.5 ° C.

Temperature indicator :

The display is used to display the measured temperature.

By pressing one of the buttons, the requested temperature is displayed. When you release the buttons, the display will flash a number of times between the requested and the measured temperature.

Change temperature regime user 1 and user 2 :

The temperature of user 1 and user 2 regime can be changed using the '+' and '-' pushbutton.

You choose the temperature you want as user 1 regime, press the "+" button for 5 sec until the display shows -0.1 and this new temperature is stored as user 1.

If you wish to change the temperature of 2 user set the temperature and press the "-" button for 5 sec until the display shows -0.1.

If you now read the module DS30LL via the PlusConfig you will see the new temperature regime for user 1 and 2.

Disabling the two buttons :

Pressing both buttons together for 10sec until the display shows -0.1, will turn the '+' and '-' push buttons off.

If the buttons are operated during this period, the display alternates between requested and measured temperature without changing anything. (button lock indication)

Enabling both buttons again is done by pressing them together for 10sec until the display shows -0.1.

When the display shows a measured value of 102.5 ° C or -25 ° C theres a problem with the probe.

This could mean that the probe is broken or loose.

Note: Do not mount the temperature probe in the draft, on an outside wall or in direct sunlight!

The probe may be extended with a maximum of 20 cm!