

# CLCM3T111 Wall Module

## Product Data



## GENERAL

The CLCM3T111 remote regulator is a temperature selector equipped with operating mode switch, room temperature sensor, and LED. It is designed for use in conjunction with the PANTHER Controller.

## FEATURES

- Fully compatible with the PANTHER controllers.
- Mountable on 60 mm wall outlet box or directly on a wall.
- Temperature selector with relative or absolute scale.
- Locking cover.
- Operating range 6...40 °C.
- CE-approved.
- IP30 housing.

## TECHNICAL DATA

Sensor device:	NTC thermistor
Resistance:	20 k $\Omega$ at 25 °C
Temperature range:	6...40 °C
Dimensions (H×W×D):	104 × 104 × 33 mm
Installation:	Installation on wall or on standard 60 mm distribution box
Max. operating temp.:	0...50 °C
Max. oper. humidity:	5...95% humidity
Max. storage temp.:	-35...+70 °C
Max. storage humidity:	5...95% humidity
Electric connection:	Terminals for max. 1.0 mm <sup>2</sup> wire diameter
Protection class:	IP 30, DIN 40 050 or IEC 144

## SPECIFICATIONS

Table 1. CLCM3T111 Wall Module

type no.	setpoint adjustment	LED	operating mode	compatible with
CLCM3T111	-7...+7 °C (relative)	✓	automatic/daytime/OFF	PANTHER

**NOTE:** See also CLCM3T111 Installation Instructions (Product Literature no.: EN1Z-903GE51) for wall module settings and wiring diagrams.

## Temperature Sensor Accuracy

The COMMAND Wall Module CLCM3T111 is furnished with a 20kΩ NTC temperature sensor that follows a specific temperature-resistance curve. See Fig. 1. The PANTHER Controller used with the CLCM3T111 employs an algorithm that provides readings close to the actual temperature.

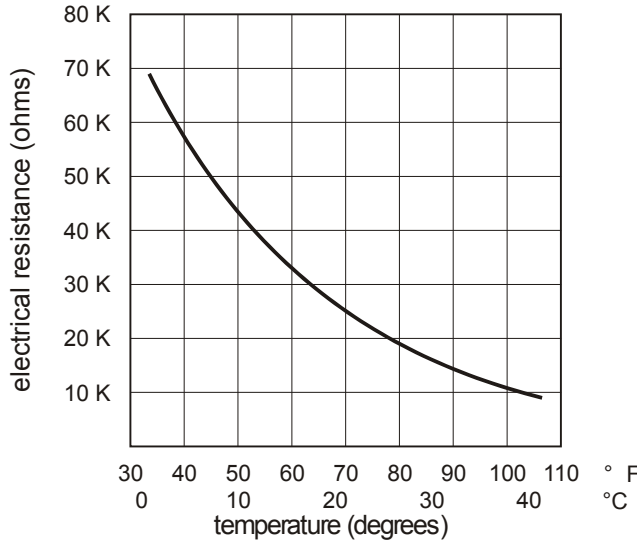


Fig. 1. Temperature vs. resistance for 20kΩ sensor

## LED

The LED is currently not used.

## Operating Mode Switch

The operating mode switch allows for the selection of three different functions described in Table 2.

The temperature range and options of the operating mode switch can be chosen to suit your needs.

The feedback control system of the PANTHER Controller provides information on the current configuration of the switch.

Table 2. Functions of operation mode switch

position	operating mode	function
<b>Auto</b>	automatic	Heating is controlled by timer.
✱	daytime	Only desired value for day applies.
☾	OFF	Heating is switched OFF. In the event of danger of frost, the heating pump and the burner are automatically switched back ON.

**NOTE:** The operating mode switch of the CLCM3T111 does not in any way influence warm water programs.

## Temperature Selector

The desired value can be changed only if the operating mode switch is set to positions **Auto** or ✱ respectively.

Range: -7...+7 °C

Mid-point position: 0 °C  
(in relation to controller settings)

Table 3. Relative setpoint vs. resistance

AUTO operating mode		DAYTIME operating mode	
relative set-point (K)	nom. re-sistance (kΩ)	relative set-point (K)	nom. re-sistance (kΩ)
+7	28.7	+7	4.87
+6	30.1	+6	5.36
+5	32.4	+5	5.90
+4	34.0	+4	6.34
+3	36.5	+3	6.98
+2	38.3	+2	7.50
+1	41.2	+1	8.06
0	43.2	0	8.66
-1	46.4	-1	9.22
-2	49.9	-2	9.86
-3	52.3	-3	10.5
-4	56.2	-4	11.2
-5	60.4	-5	11.9
-6	64.9	-6	12.7
-7	69.8	-7	13.3

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