Thermostat

TRM-01

TRM-01 is a thermostat for electric floor heating with a screen for controlling and displaying temperature and heating mode. It can withstand loads of up to 16 A and has a built-in room sensor and an included floor sensor. It can also be used with an existing floor sensor or as a regulator (PWM).

TRM-01 can be automated for energy saving through, e.g., day and night saving. With Gateway (GWY-01, not included), the product can be controlled remotely.



Technical data	
Mains electricity	230 V AC~ / 50 Hz
Standby power	Po: N/A, Psm: 0.30 W, Pnsm: 0.30 W, Pidle: N/A
Calculated battery life	10 years reserve (1xCR1616)
Permissible ambient temperature	-10 to +35 °C
Built-in dimensions	46x46x23 mm
IP rating	IP20
Sensor range (third-party)	5–500k Ω NTC
Cable area	<10 A: 1.5 mm² ≥10 A: 2.5 mm² 0.2 up to 2x2.5 mm²
Screen	320x240 LCD, capacitive touch
Load	16A, 2P, cos(φ) = 1
Load type	Resistive heating cable
Circuit breaker	Max 16 A
Operation modes	Thermostat/Regulator
Thermostat mode	5–40 °C
Regulator mode	0–100 % PWM
Pollution degree	2
Type of action	Type 1.B
Rated impulse voltage	4 kV
Radio	
2.4 GHz mesh Bluetooth® <10 dBm	Radio range: Approx. 10 m indoors. The Plejd mesh technology extends the range by allowing the units to communicate with each other.

Article list*	Compatible with	RAL
TRM-01-SW	White frame Exxact®[1]	9003
TRM-01-SA	Antracite frame Exxact®[1]	7022
TRM-01-EW	White frame ELKO®[2]	9010
TRM-01-EB	Black frame ELKO®[2]	9005
TRM-01-AW	White frame SG® Install[3]	9003
TRM-01-AB	Black frame SG® Install[3]	9004

[1] The trademark is owned by Schneider Electric.
[2] The trademark is owned by ELKO AS.
[3] The trademark is owned by SG Armaturen AS.

*Color options may differ between countries, please contact Plejd for more information.



