

ZED-TTR-HA

ZigBee Home Automation Remote Touch Control Thermostat



■ Key Features

- Full remotely configurable thermostat
- Heat/Cold/OFF operating mode
- Simple and intuitive touch user interface
- Heating/Cooling operating mode (remotely configurable)
- Weekly programming (remotely configurable)
- Relay output
- Temperature resolution: 0,1°C
- Temperature accuracy: $\pm 1^{\circ}\text{C}$
- Battery powered

The ZED-TTR-HA is a wireless indoor thermostat with a programmable weekly heating/cooling schedule. It is designed for indoor temperature regulations with a simple user friendly interface. Thanks to its innovative design and advanced features, the “*touch me*” thermostat takes full advantage of the sensitive touch technology.

When combined with a ZigBee Home Automation Gateway it is possible to remotely configure using mobile devices (smartphone or tablet) or PC.

Possible functions are:

- Temperature set points settings
- Modes settings:
 - Heat/Cold/OFF
 - HEAT : the thermostat purpose is to heat the building; the activation of the remote relay is done when the temperature is below the setpoint
 - COLD: the thermostat purpose is to cool down the building; the activation of the remote relay is done when the temperature is above the setpoint

Either HEAT and COLD mode setpoint are set from the remote Gateway.

- Working mode settings: Summer or Winter (Heating/Cooling)

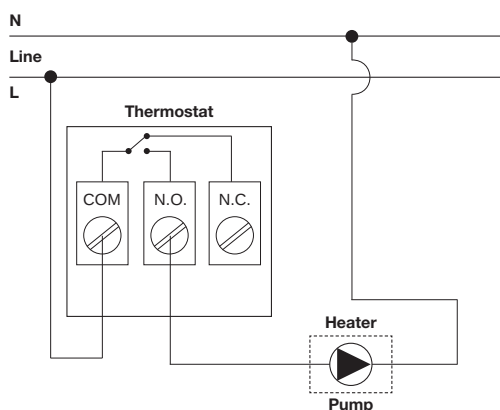
Designed to solve the most common problems that arise when using a normal or existing thermostat, the new *touch me thermostat* is simple and easy to use: thanks to its intuitive user interface anyone can adjust settings in order to reach their desired comfort levels.

Connecting to a smart device it allows the user better visibility and control over their heating system.

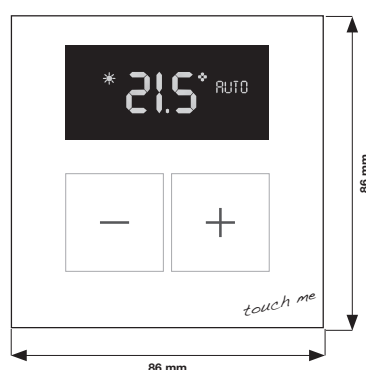
Technical Specs

General characteristics	Chip Ember EM357 Compatible IEEE 802.15.4 Stack EmberZnet 4.7.x (ZigBee PRO) Home Automation Wall mounting with screws
RF characteristics	Frequency: 2405 MHz ÷ 2480 MHz Modulation: DSSS Nominal transmission power: 16 dBm Reception sensitivity: 100 dBm Internal antenna gain: 0 dB Coverage outdoor/indoor: 100m/30m
Supply	2xAA 1,5V alkaline battery Battery life: 18 months minimum
Thermostat	Heat/Cold/OFF operating mode (remotely configurable) Heating/Cooling operating mode (remotely configurable) Hysteresis: $\pm 0,25^{\circ}\text{C}$ (remotely configurable only) Weekly programming Temperature measurement: $+6^{\circ}\text{C} \div +40^{\circ}\text{C}$ Temperature resolution: $0,1^{\circ}\text{C}$ Temperature accuracy: $\pm 1^{\circ}\text{C}$
Relay	Contacts 250V Maximum load: 2A Expected life: 100.000 cycles with resistive load
Dimensions	86x86x22 mm
Weight	198 g
Packaging	Dimensions: 120x175x70 mm, weight: 290 g
Environment parameters	Operating temperature: $-10 \div +60^{\circ}\text{C}$; <80% U.R. not condensing Storage temperature: $-20 \div +70^{\circ}\text{C}$; <80% U.R. not condensing Degree of protection: IP 30
Compliant with 2006/95/EEC, 89/336/EEC, 99/5/EEC directives Reference Norms:	ETSI EN 300 328: Radio Compatibility for digitals wide band transmissions ETSI EN 301 489: Radio Compatibility EN 61000-6-2: Electromagnetic Compatibility - Emissions EN 61000-6-3: Electromagnetic Compatibility - Immunity EN 60950-1: Electric Safety

Connection Diagram



Dimensions (mm)



 **ZB-Connection** is a 4-noks brand

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Rev 2.5 28/02/2014

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