



This is a programmable room thermostat with an LCD screen, four capacitive touch control buttons and two temperature sensors (external NTC floor sensor and a built-in room air temperature sensor). The thermostat is also equipped with built-in humidity and energy consumption sensors. It is designed to maintain a constant temperature the criteria of which can be either floor, room or both sensors simultaneously.

It is recommended for control of electric heating devices or electric floor heating. It can be built into most wall mounting boxes.

The thermostat has a built-in 5th generation Z-Wave module, which allows the integration of the device into Z-Wave standard home automation system.

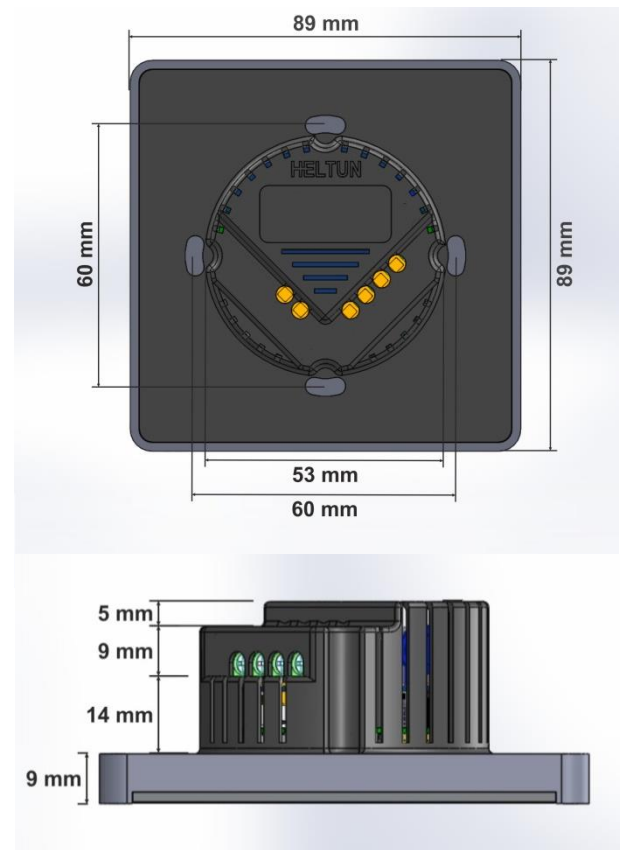
One of four operating modes can be selected either manually or via the Z-Wave controller. The 4 operating modes are: DRY - floor quick drying, ECO - saving, GEN - general (most comfortable) and manual. The thermostat protects the floor from overheating by automatically switching off the load when the temperature reaches the limit of 37°C.

The LCD screen with white icons has a user-friendly interface, displaying the current floor and air temperature, humidity level, user set temperature, operating mode, relay and Z-Wave network status.



TECHNICAL SPECIFICATIONS:

- Front frame dimensions, mm: 89x89x9
- Back part dimensions, mm: 53x53x28
- Material: Plastic and tempered glass
- Color: silver frame, black or white glass
- LCD: 74x42mm, black with white icons
- 4 sensitive capacitive touch buttons
- Operating temperature: -10°C – +40°C
- Power supply: 100V – 230V AC, 50Hz/60Hz
- Maximum resistive load: 16A
- Relay life time: 100.000 switching
- Internal temperature sensor
 - Measurement range: -40°C – +125°C
- Accuracy: $\pm 0.5^{\circ}\text{C}$
 - Internal humidity sensor
 - Measurement range: 0 – 80%RH
 - Accuracy: $\pm 3.0\%RH$
 - Input for external temperature sensor, NTC
 - Energy consumption meter
 - IP class: IP21
 - Z-Wave frequency: 868/869 MHz
 - Z-Wave SDK: V6.51.06
 - Z-Wave module: ZM5202



MAIN FUNCTIONALITY:

- Inclusion/exclusion into/from z-wave network
- Association control of 10 devices from network
- 4 operation modes: ECO, GEN, DRY, MANUAL
- Choosing a temperature sensor for operation
 - Floor temperature only
 - Air temperature only
 - Floor + Air temperature
- Selecting the right OHM values for NTC sensor
- Choosing a degree mode (Celsius / Fahrenheit)
- Choosing a temperature hysteresis
- Auto ON/OFF by time
- Adjustable LCD brightness
- LCD standby mode
- LCD ON/OFF
- Child lock
- Consumption meter reset
- Factory reset
- OTA function (Firmware update over the air).

Z-WAVE CLASSES:

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CLASSES GENERIC_TYPE_THERMOSTAT
SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2
COMMAND_CLASS_BASIC
COMMAND_CLASS_THERMOSTAT_SETPOINT_V3
COMMAND_CLASS_THERMOSTAT_SETBACK
COMMAND_CLASS_THERMOSTAT_MODE_V3
COMMAND_CLASS_THERMOSTAT_OPERATING_STATE
COMMAND_CLASS_SENSOR_MULTILEVEL_V7
COMMAND_CLASS_VERSION
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_ZWAVEPLUS_INFO
COMMAND_CLASS_METER_V3
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_CONFIGURATION_V2
COMMAND_CLASS_ASSOCIATION
COMMAND_CLASS_ASSOCIATION_GRP_INFO
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V3
```

Fibaro Home Center Screen

