



HELTUN™

IMPOSSIBLY SMART



HEATING
THERMOSTAT



FAN COIL
THERMOSTAT



HIGH LOAD SWITCH



RELAY SWITCH
quinto



TOUCH PANEL SWITCH



HEATING THERMOSTAT

HE-HT01

MOST ADVANCED PROGRAMMABLE Z-WAVE THERMOSTAT



IMPOSSIBLY THIN



IMPOSSIBLY SMART

Z-WAVE 700 PLATFORM
SMART START & S2 SECURITY
ENERGY CONSUMPTION METER

Functional Specifications

- Options for Inclusion/Exclusion to/from Z-Wave network
 - Non-Secure
 - S0 Secure
 - S2 Unauthorized, S2 Authorized with Key
- Association control of 10 devices from network
- 6 operational modes with individual temperature set points: COM, TIME, DRY, ECO, VAC, MANUAL
- Four schedules for 7 days of the week: Morning, Day, Evening, Night
- Temperature sensor selection:
 - Floor temperature only
 - Air temperature only
 - Floor + Air temperature
 - Power regulator (Automatic ON/OFF timer)
- Can be used with different NTC-sensors (1k Ω - 100k Ω)
- Adjustable periodic measurements from:
 - Internal temperature sensor
 - External floor temperature sensor
 - Internal humidity sensor
 - Internal ambient light sensor
 - Energy consumption meter
- Calibration of Internal Room Air Temperature Sensor
- Calibration of External NTC Temperature Sensor
- Temperature set intervals: 4.0°C to 37.0°C
- Temperature limiter: 40.0°C
- Temperature hysteresis selection range: 0.2°C to 10.0°C
- Time mode format: 24 or 12 hours (AM/PM)
- LCD brightness:
 - Automatic adjustment (depending on ambient light)
 - Manual adjustment (15 levels).
- LCD standby mode
- LCD blinking function (for identification among other devices)
- Child lock mode (touch buttons lockout mode)
- Real-time and cumulative energy usage to 0.1kW accuracy
- Factory reset function
- SmartStart technology for quick addition to Z-Wave networks
- Encrypted OTA (Over The Air) firmware update

30 Color Combinations

GLASS:

- WHITE
- BLACK
- YELLOW
- GREEN
- RED
- BLUE

FRAME:

- WHITE
- BLACK
- BLACK/MATTE
- CHROME
- SILVER

WITH HELTUN ADVANCED ZERO-CROSS TECHNOLOGY & UP TO 16A LOAD

Technical Specifications

- Front frame (on wall) dimensions: 89x89x9mm
- Rear package dimensions: 53x53x28mm
- LCD: 73x42mm, black with white segments
- 6 sensitive capacitive-touch buttons
- Relay switching with zero-cross technology
- Maximum resistive load: 16A, 4000W @ 250VAC
- Internal ambient light sensor
- Internal temperature sensor
- Internal humidity sensor
- External floor NTC temperature sensor
- Energy consumption meter
- External control through a pilot wire
- Power supply: 85-265VAC 50Hz/60Hz, 24-48VDC
- Power consumption: <1W
- IP class: IP21
- Z-Wave Plus V2 SDK: V7.11; Z-Wave module: ZGM130S
- Mounting to round or square type junction box (depth 40mm)

Easy To Install

To any type of junction box

Know How Much Energy You Use

The HELTUN built-in Power Consumption System precisely monitors how much energy you used during any particular day, week, or month. Does your current thermostat do that?

We have also designed the circuitry so it draws almost zero watts to power itself when in standby mode. This saves you energy and money even if your home is equipped with many HELTUN products.



Radiators and
Panel Heaters



Electric Underfloor
Heating Systems



Electric Water
Heaters/Boilers



Electric Roof and Gutter
De-Icing Systems



Electric Snow
Melt System



Electric
Fireplaces



FAN COIL THERMOSTAT

HE-FT01

MOST ADVANCED PROGRAMMABLE Z-WAVE THERMOSTAT



IMPOSSIBLY THIN



IMPOSSIBLY SMART

30 Color Combinations

GLASS:



FRAME:



Z-WAVE 700 PLATFORM
SMART START & S2 SECURITY
ENERGY CONSUMPTION METER

Functional Specifications

- Options for Inclusion/Exclusion to/from Z-Wave network
 - Non-Secure
 - S0 Secure
 - S2 Unauthorized, S2 Authorized with Key
- Association control with 50 devices from network
- Four operational modes with individual temperature set points: COM, ECO, TIME, OFF
- Four climate modes: Heating & Cooling, Heating only, Cooling only, Ventilation only
- Five Fan Speed control modes:
 - Low speed,
 - Medium speed,
 - High speed,
 - Auto Medium speed,
 - Auto High speed.
- Four schedules for 7 days of the week: Morning, Day, Evening, Night
- Periodic measurements from:
 - Internal temperature sensor
 - Internal humidity sensor
 - Internal ambient light sensor
 - Energy consumption meter
- Calibration of Internal Room Air Temperature Sensor
- Temperature set intervals: 4.0°C to 37.0°C
- Temperature hysteresis selection range: 0.2°C to 10.0°C
- Temperature format: Celsius (°C) or Fahrenheit (°F)
- Time mode format: 24 or 12 hours (AM/PM)
- LCD brightness:
 - Automatic adjustment (depending on ambient light)
 - Manual adjustment (15 levels).
- LCD standby mode
- LCD blinking function (for identification among other devices)
- Child lock mode (touch buttons lockout mode)
- Power consumption software logic for each relay channel
- Factory reset function
- SmartStart technology for quick addition to Z-Wave networks
- Encrypted OTA (Over The Air) firmware update

TAKE CONTROL

TWO INDEPENDENT DRY CONTACT INPUTS FOR FANS AND VALVES CONTROL

Technical Specifications

- Front frame (on wall) dimensions: 89x89x9mm
- Rear package dimensions: 53x53x28mm
- Materials: Tempered glass, Flame retardant plastic
- 5 frame colors: White, Gloss Black, Matt Black, Silver, Chrome
- 6 glass colors: White, Black, Yellow, Green, Red, Blue
- LCD: 73x42mm, black with white segments
- 6 sensitive capacitive touch buttons
- Relay life time: 100.000 cycles
- Internal ambient light sensor
- Internal temperature sensor
- Internal humidity sensor
- Power supply: 85-265VAC 50Hz/60Hz, 24-48VDC
- Power consumption: 1W
- IP class: IP21
- Z-Wave Plus V2 SDK: V7.11
- Z-Wave module: ZGM130S
- Requires mounting to flush electrical junction box: round or square type – min. depth 40mm

Easy To Install

To any type of junction box

Know How Much Energy You Use

The HELTUN built-in Power Consumption System precisely monitors how much energy you used during any particular day, week, or month. Does your current thermostat do that?

Just specify the consumption of the load in watts for each relay channel and the thermostat logic will calculate total consumption relative to the time since the output was in the 'ON' state.



Ceiling
Concealed AC



Split Wall
Mounted AC



Standing
Floor (Tower) AC



Ceiling
Cassette AC



Portable
AC

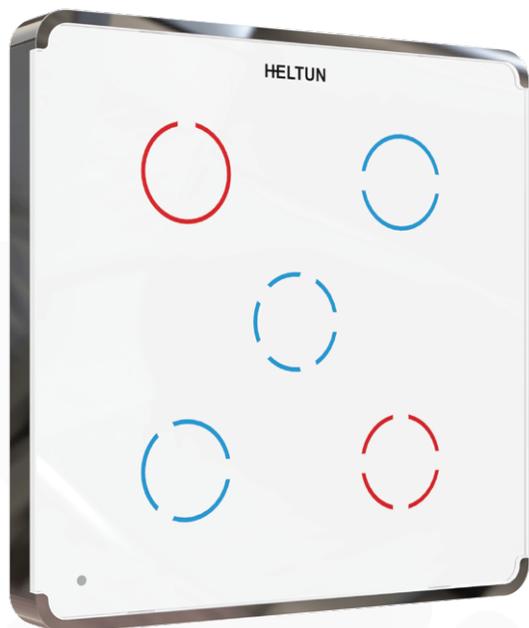


Floor
Convectors

TOUCH PANEL SWITCH

HE-TPS05

MOST ADVANCED PROGRAMMABLE Z-WAVE TOUCH PANEL



Z-WAVE 700 PLATFORM
SMART START & S2 SECURITY
ENERGY CONSUMPTION METER

Functional Specifications

- Options for Inclusion/Exclusion to/from Z-Wave network Non-Secure, S0 Secure, S2 Unauthorized, S2 Authorized
- Association control with 100 devices from network
- Schedule Mode
- Motorized device control (roller shutter mode)
- Each of the five buttons can control any relay output
- Up to 5 different relays channel can be controlled by one button
- Seven modes for each button:
 - Invert State
 - Switch OFF Only
 - Momentary
 - Timer (ON then OFF)
 - Momentary Reversed
 - Timer (OFF then ON)
 - Switch ON Only
- Set up each button to control devices from associated groups
- Exclusion of any channel from control
- Each button, backlight, & outputs can be managed by a gateway
- Each button can trigger scenes
- Each backlight can indicate scene or associated device state.
- Button backlight brightness control:
 - Automatic adjustment (depending on ambient light)
 - Manual adjustment (15 levels)
- Backlight standby mode
- Backlight colours invert
- Backlight blinking function (for identification from other devices)
- Adjustable periodic measurements from:
 - Internal temperature sensor
 - Internal humidity sensor
 - Internal ambient light sensor
 - Energy consumption meter
- Power consumption software logic
- SmartStart technology for quick addition to Z-Wave networks
- OTA (Over-The-Air) encrypted firmware update

30 Color Combinations

GLASS:

- WHITE
- BLACK
- YELLOW
- GREEN
- RED
- BLUE

FRAME:

- WHITE
- BLACK
- BLACK/MATTE
- CHROME
- SILVER

The Touch Panel Switch is available in five configurations:



Technical Specifications

- Front frame (on wall) dimensions: 89x89x9mm
- Rear electronics dimensions: 53x53x28mm
- Materials: Tempered glass, Flame retardant plastic
- Five touch-sensitive capacitive buttons
- Individual red & blue colour LED button backlights
- Button brightness control
- Operating temperature: 0°C to +50°C
- Power supply: 85-265VAC 50Hz/60Hz, 24-48VDC
- Five relays for resistive loads up to 5A each
- Two independent relay inputs (dry contact)
- Internal temperature & humidity sensors
- Internal ambient light sensor
- Power consumption: 1W
- IP class: IP21
- Z-Wave Plus V2 SDK: V7.11
- Z-Wave module: ZGM130S
- Requires mounting to flush electrical junction box: Round or square type – min. depth 40mm

Easy To Install

To any type of junction box



Know How Much Energy You Use

The HELTUN built-in Power Consumption System precisely monitors how much energy you used during any particular day, week, or month. Do your current light switches do that?

Just specify the consumption of the load in watts for each relay channel and the Touch Panel Switch logic will calculate total consumption relative to the time since the output was in the 'ON' state.



TAKE CONTROL

WITH HELTUN ADVANCED ZERO-CROSS TECHNOLOGY & UP TO 5A LOAD FOR EACH CHANNEL



Light Switches



Doors & Gates



Windows



Blinds



Electronic Door Locks



Motorized Valves

HIGH LOAD SWITCH

HE-HLS01

WITH THERMOSTAT FUNCTIONS

TAKE CONTROL

WITH HELTUN ADVANCED ZERO-CROSS TECHNOLOGY & UP TO 16A LOAD

Z-WAVE 700 PLATFORM
SMART START & S2 SECURITY
ENERGY CONSUMPTION METER

Functional Specifications

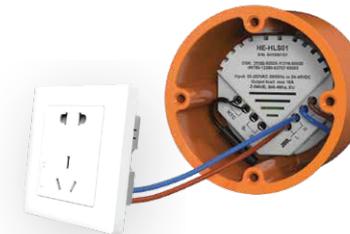
- Options for Inclusion/exclusion to/from Z-Wave network
 - Non-Secure
 - S0 Secure
 - S2 Unauthorized, S2 Authorized with Key
- Association control of 10 devices from network
- Six operation modes:
COM, ECO, VAC, DRY, TIME, MANUAL
- Four Schedules: Morning, Day, Evening & Night
 - Time & Temperature Set Point (Heating Devices)
 - Time Only (All Other Devices)
- Eight relay modes (using pilot wire to another device):

| | |
|----------------------|-----------------------|
| • Invert State | • Switch OFF Only |
| • Momentary | • Switch to Mode |
| • Momentary Reversed | • Timer (ON then OFF) |
| • Switch ON Only | • Timer (OFF then ON) |
- Three Safety Modes with Notification & Auto Shutoff:
 - Overload (auto-shutoff on overload)
 - Overheat (auto-shutoff on outlet over-temp)
 - High Load Timeout (notification and auto-shutoff on high load timeout)
- Usable with different NTC-sensors:
Resistance value range: 1kΩ – 100kΩ
- Temperature sensor calibration
- Temperature set intervals: 4°C – 37°C
- Temperature limiter
- Set temperature hysteresis
- Temperature measurement: Celsius (°C) or Fahrenheit (°F)
- Energy consumption meter reset
- Factory reset button
- OTA (Over-The-Air) firmware update

Technical Specifications

- Dimensions: 50x50x26mm
- Material: Flame retardant plastic
- Color: White
- Operating temperature: 0°C to +60°C
- Power supply: 85-265VAC 50Hz/60Hz, or 24-48VDC
- Power consumption: <1W
- Maximum resistive load: 16A, 4000W @ 220V
- Relay switching with
HELTUN Advanced Zero-Cross Technology
- Relay lifetime: 100.000 cycles
- External floor temperature sensor
 - NTC 10kΩ (included)
 - Measurement range: -30°C to +80°C
 - Accuracy: ±0.5°C
- Energy consumption meter
- IP class: IP21
- Z-Wave Plus V2 SDK: V7.11
- Z-Wave module: ZGM130S
- Mounting – either:
 - Flush electrical junction box:
round, rectangular or square type – min. depth 40mm
 - Optional adapter for DIN Rail mounting (50mm width)
or on wall screwing

Easy To Install To any type of junction box



Know How Much Energy You Use

The HELTUN built-in Power Consumption System precisely monitors how much energy has passed through your High Load Switch during any particular day, week, or month. With the High Load Switch, you can determine how much energy is used by major appliances, entertainment systems, computers, small appliances, or entire lighting systems.



Electric Outlets



Electric Underfloor Heating System



Electric Water Heaters/Boilers



Electric Snow Melt System for Decks & Driveways



Electric Radiators



Circuit Breakers, Outlets & Lights



RELAY SWITCH quinto

HE-RS01

WITH ROLLER SHUTTER CONTROL



Z-WAVE 700 PLATFORM
SMART START & S2 SECURITY
ENERGY CONSUMPTION METER

Functional Specifications

- Options for Inclusion/Exclusion to/from Z-Wave network
 - Non-Secure
 - S0 Secure
 - S2 Unauthorized, S2 Authorized with Key
- Association control with 100 devices from network
- Motorized device control (roller shutter mode)
- Each of the five pilot wires inputs can control any relay output
- Up to five outputs can be controlled by one pilot wire
- Seven modes for each relay output:
 - Switch ON only
 - Switch OFF only
 - Invert State (ON to OFF or OFF to ON)
 - Momentary (ON when shorted, OFF when released)
 - Momentary Reversed (OFF when shorted, ON when released)
 - Timer (ON then OFF after specified time)
 - Timer (OFF then ON after specified time)
- Each relay outputs can be managed by a Z-Wave gateway or associated device
- Each pilot wire can trigger scenes
- Schedule Mode
- Power consumption software logic
- Factory reset button
- SmartStart technology for quick addition to Z-Wave networks
- OTA (Over-The-Air) encrypted firmware update

Control up to

- Five ON/OFF devices
- Three ON/OFF devices, and one, two-direction motor
- One ON/OFF device, and two, two-direction motors



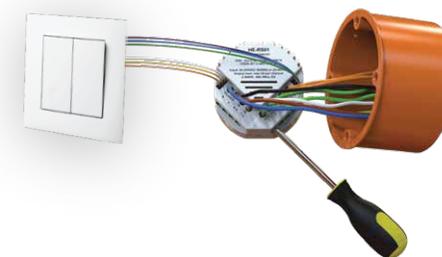
TAKE CONTROL

WITH HELTUN ADVANCED ZERO-CROSS TECHNOLOGY & UP TO 5A LOAD FOR EACH CHANNEL

Technical Specifications

- Dimensions: 50x50x26mm
- Material: Flame retardant plastic
- Color: White
- Five relays for resistive loads up to 5A each
- Two independent relay inputs (dry contact)
- Relay switching with HELTUN Advanced Zero-Cross Technology
- Relay lifetime: 100.000 cycles
- One common (S) and five pilot wires (S1, S2, S3, S4, S5) for external control
- Power consumption software logic
- Power supply: 85-265VAC 50Hz/60Hz, or 24-48VDC
- Power consumption: <1W
- Operating temperature: 0°C to +60°C
- IP class: IP21
- Z-Wave Plus V2 SDK: V7.11
- Z-Wave module: ZGM130S
- Mounting – either:
 - Flush electrical junction box: round or square type – min. depth 40mm
 - Optional adapter for DIN Rail (50mm width) or wall mounting

Easy To Install

To any type of junction box

Know How Much Energy You Use

The HELTUN built-in Power Consumption System precisely monitors how much energy you used during any particular day, week, or month. Do your current light switches do that?

Just specify the consumption of the load in watts for each relay channel and the Relay Switch quinto logic will calculate total consumption relative to the time since the output was in the 'ON' state.



Multi-Gang Light Switches



Doors & Gates



Windows



Blinds



Electronic Door Locks



Motorized Valves



HELTUN™

IMPOSSIBLY SMART

*Experience
the World of HELTUN
Z-Wave Home Automation*

MADE IN ARMENIA