HELTUN

SWITCHER
5 CHANNELS

IT'S YOUR COMFORT.
TAKE CONTROL.

HELTUN

Curtains

Blinds

Doors

Windows

Motorized valves

Electronic door locks

TAKE CONTROL

All motorized equipment

5 channel relays
5A load each with
two independent inputs

HELTUN

Light Switch

Scene runner (mode activator)
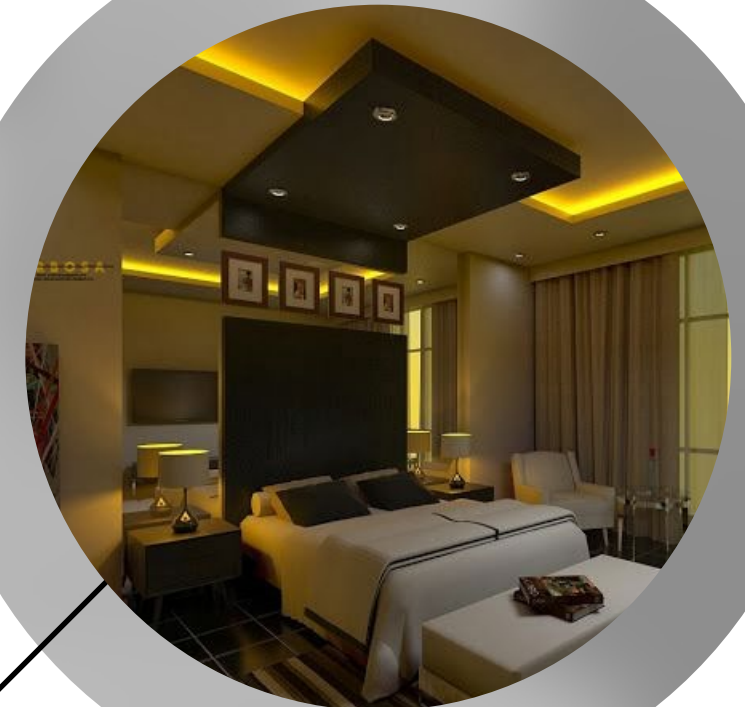
ELE GAN CE

Powerful, efficient and well-designed, HELTUN is the thinnest and most stylish switcher on the market. Featuring a crystal-clear glass window, the 9mm thick casing is resistant to fire and short circuit.

89mm

9mm

28mm

⌀53mm

89mm

SWITCHER, 5 CHANNEL
HE-ZW-SW-5A-1 (868.4MHz)
100-240V~ 50/60Hz, 5x5A
SN: 211-01-1-0001

Made in Armenia

220V IN

CH 4-5 IN

CH 1-3 IN

CH 1 OUT

CH 2 OUT

CH 3 OUT

CH 4 OUT

CH 5 OUT

DE SIGN

HELTUN integrates seamlessly into your interior design and is available in 24 combinations: 4 frame colours (Silver, Chrome, Black and White) and 6 glass types (White, Black, Yellow, Green, Red, Blue), you can choose any style that suits your taste.
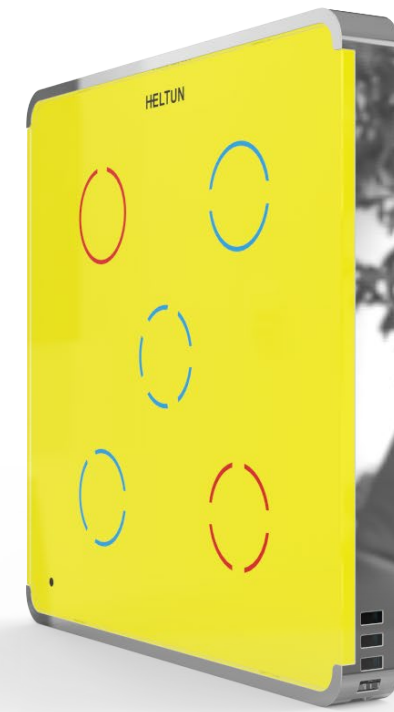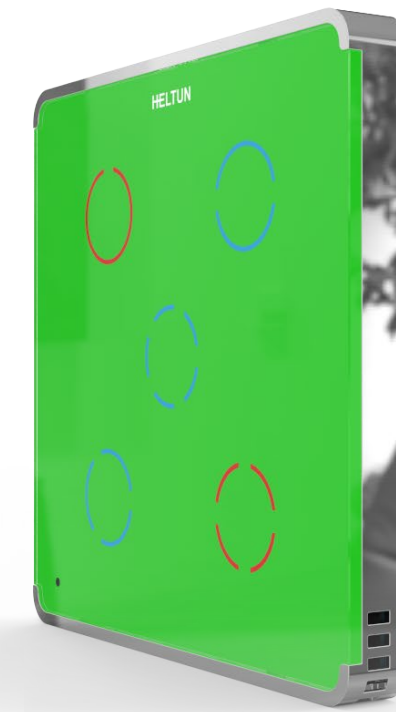
HELTUN
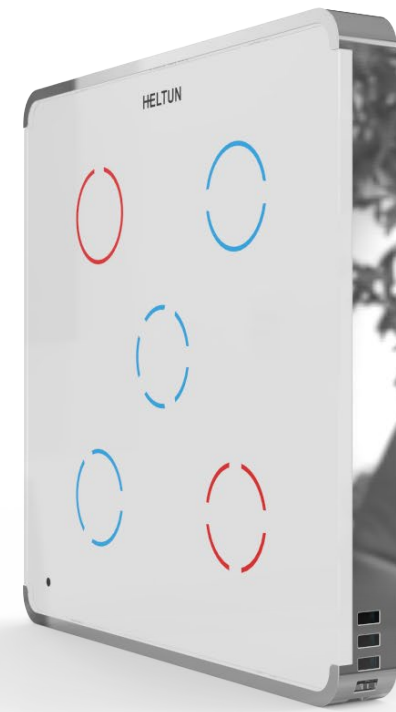
FRAME: SILVER
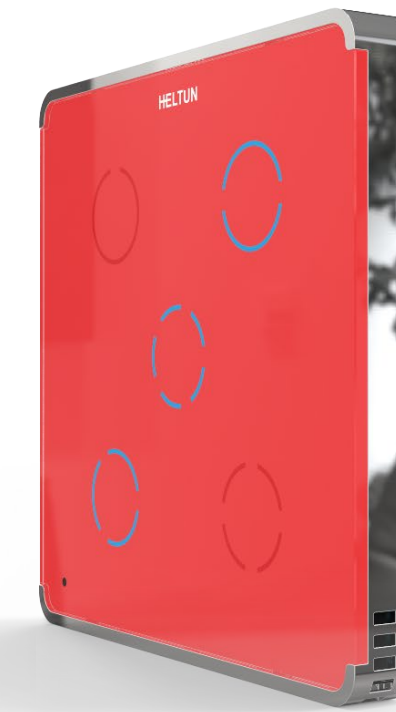GLASS: WHITE
MODEL: 211101
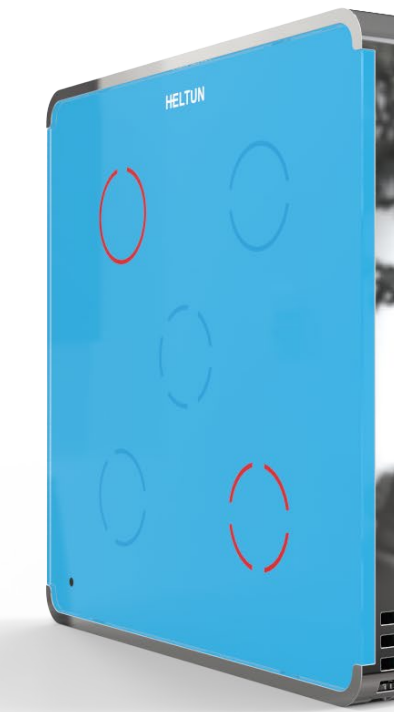
FRAME: SILVER
GLASS: BLACK
MODEL: 211102

FRAME: SILVER
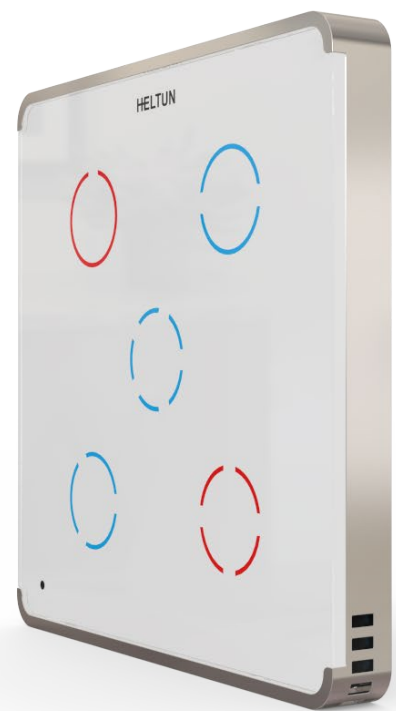GLASS: YELLOW
MODEL: 211103

FRAME: SILVER
GLASS: GREEN
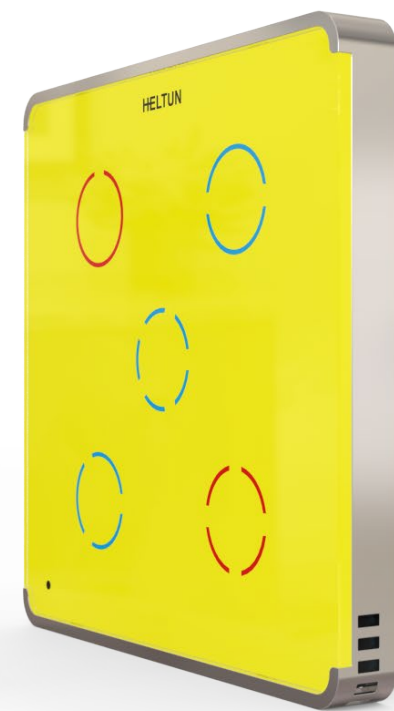MODEL: 211104

FRAME: SILVER
GLASS: RED
MODEL: 211105

FRAME: SILVER
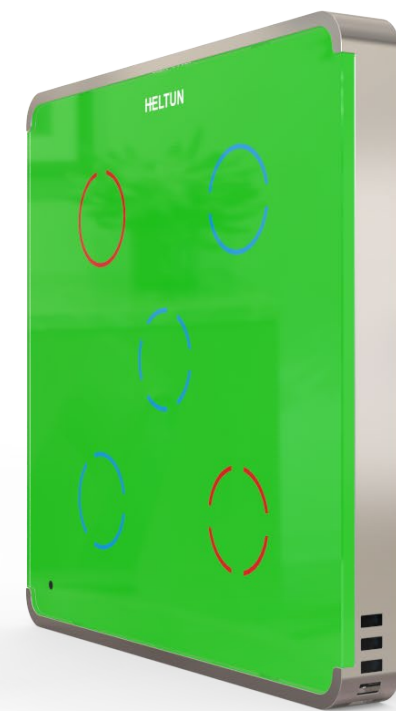GLASS: BLUE
MODEL: 211106

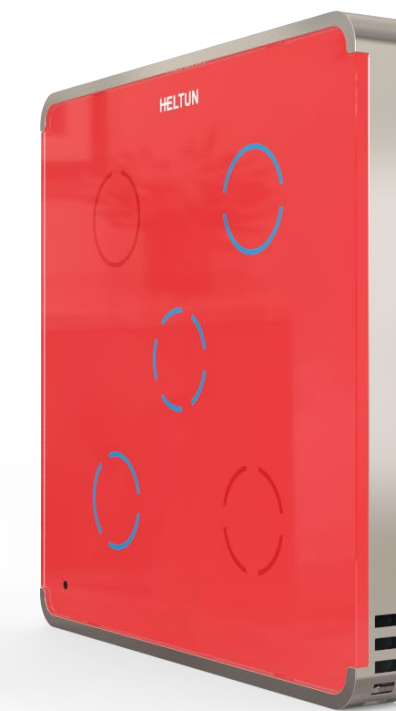FRAME: CHROME
GLASS: WHITE
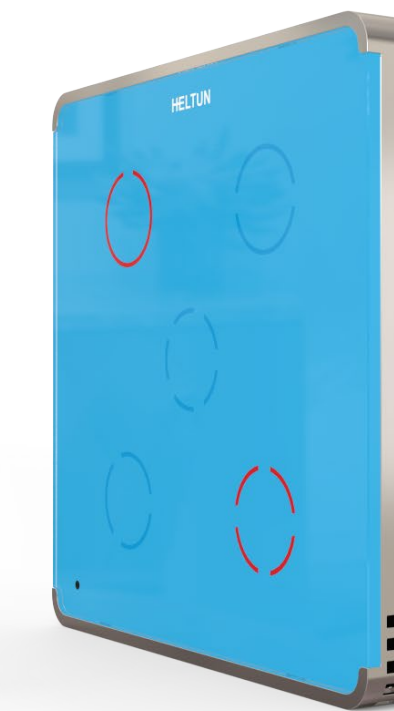MODEL: 211201

FRAME: CHROME
GLASS: BLACK
MODEL: 211202

FRAME: CHROME
GLASS: YELLOW
MODEL: 211203

FRAME: CHROME
GLASS: GREEN
MODEL: 211204

FRAME: CHROME
GLASS: RED
MODEL: 211205

FRAME: CHROME
GLASS: BLUE
MODEL: 211206

HELTUN

FRAME: BLACK
GLASS: WHITE
MODEL: 211301

FRAME: BLACK
GLASS: BLACK
MODEL: 211302

FRAME: BLACK
GLASS: YELLOW
MODEL: 211303

FRAME: BLACK
GLASS: GREEN
MODEL: 211304

FRAME: BLACK
GLASS: RED
MODEL: 211305

FRAME: BLACK
GLASS: BLUE
MODEL: 211306
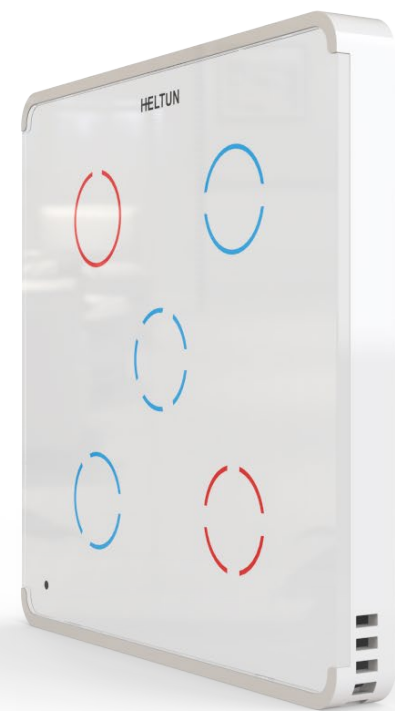
FRAME: WHITE
GLASS: WHITE
MODEL: 211401

FRAME: WHITE
GLASS: BLACK
MODEL: 211402
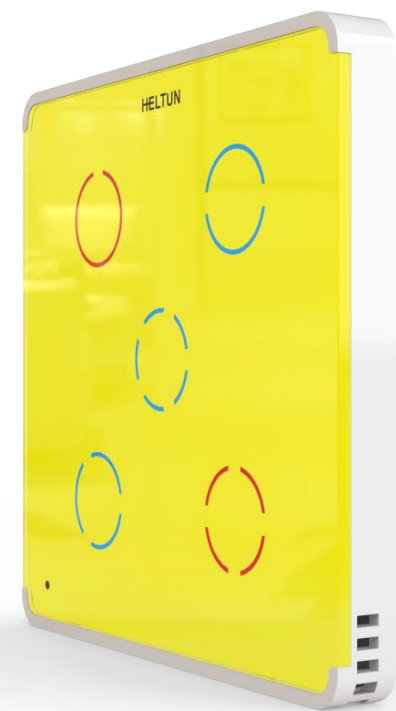
FRAME: WHITE
GLASS: YELLOW
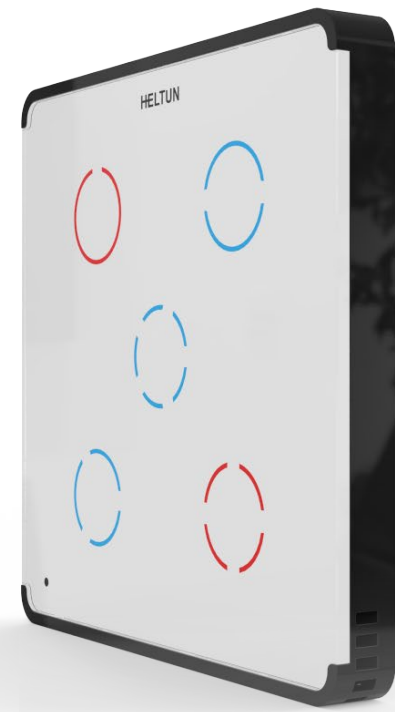MODEL: 211403
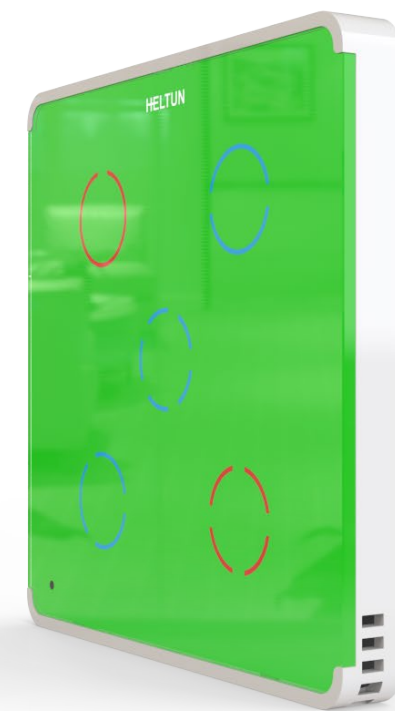
FRAME: WHITE
GLASS: GREEN
MODEL: 211404
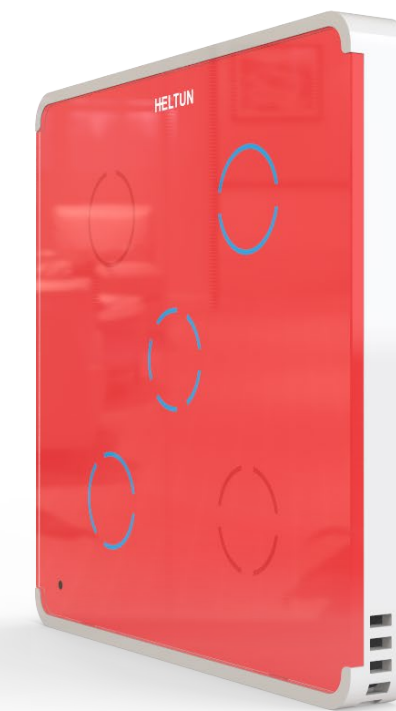
FRAME: WHITE
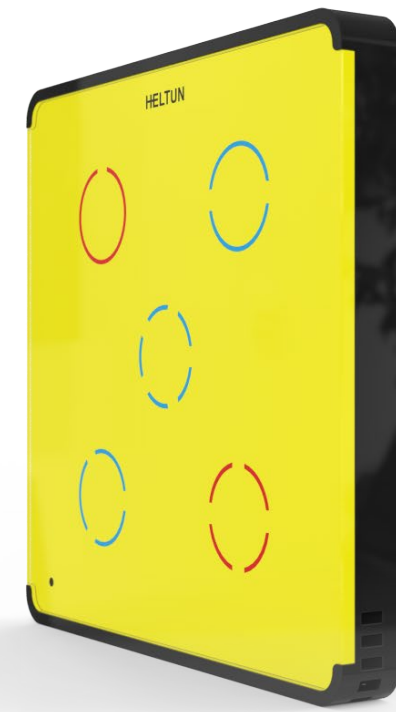GLASS: RED
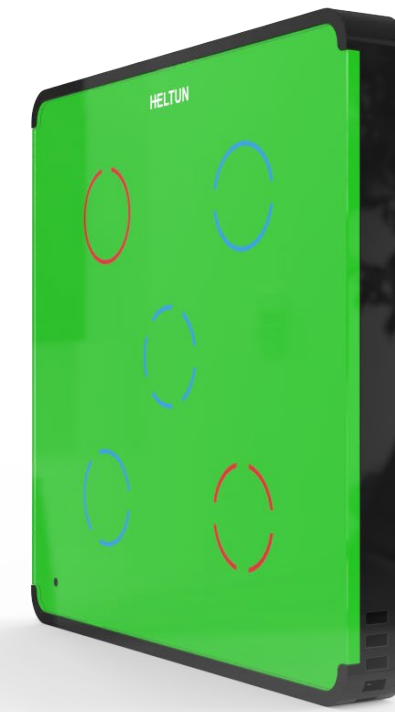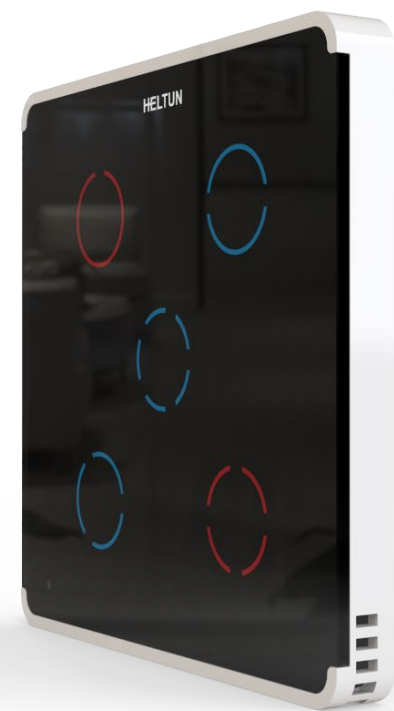MODEL: 211405
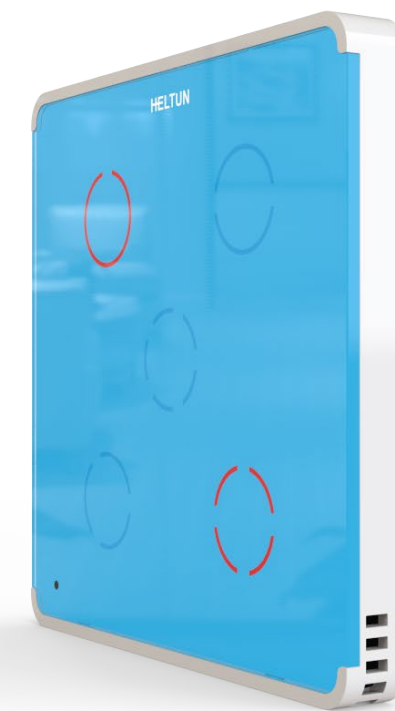
FRAME: WHITE
GLASS: BLUE
MODEL: 211406

INTERNAL SENSORS

HELTUN switchers also feature built-in temperature, humidity and light sensors.

TEMPERATURE SENSOR

HUMIDITY SENSOR

LIGHT SENSOR

MAIN POWER

RELAY 4, 5 INPUT

RELAY 1, 2, 3 INPUT
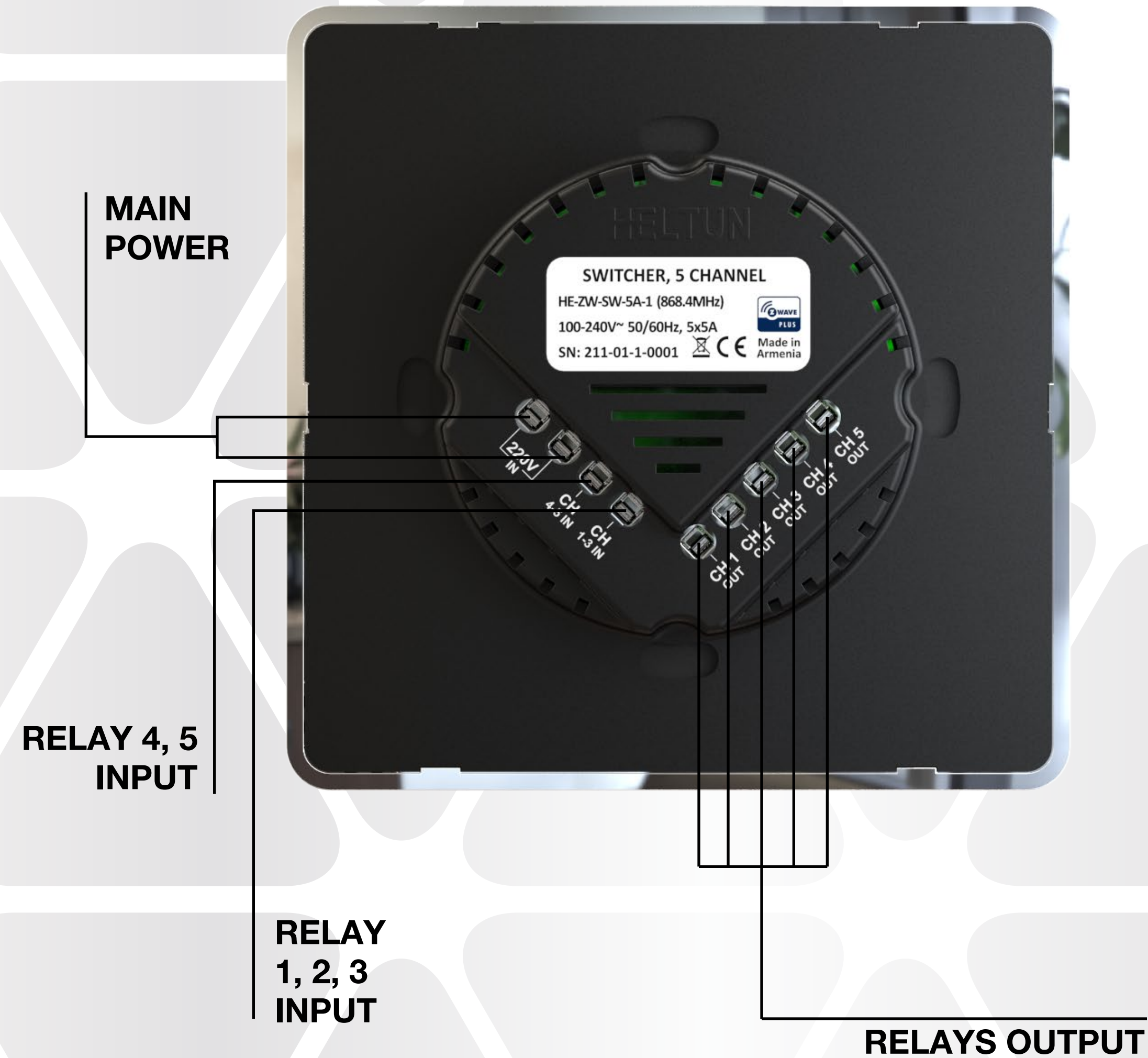
RELAYS OUTPUT

INPUTS & OUTPUTS

The main power input is 100-250VAC.

It has 5 relay outputs each with max 5A load.

The switcher also has two independent inputs for relay channels which allow it to control systems with different power sources or to use outputs as dry contacts. E.g. to switch On/Off 220VAC light and control motorized valve with 24VDC power.

Input 1 with the required power source is for relay channels 1, 2 and 3, which can be loaded up to a max 15A.

Input 2 with the required power source is for relay channels 4 and 5, which can be loaded up to a max 10A.

KNOW HOW MUCH ENERGY YOU ARE USING

With our HELTUN built-in power consumption logic you can monitor precisely how much energy was used during any particular day, week or month for each channel.

Just specify the consumption of the load in watts for each relay channel and the special logic will calculate total consumption relatively to the time since the output is in the ON state.

CUSTOMIZE FUNCTIONS

1) Each touch button can be configured to control any relay output. Up to five relay output can be controlled by each button.

2) 4 different modes for each relay control: switch only On, switch only Off, invert, hold (switch to On when button is pressed and switch to Off when button is released)

3) Relay outputs can be controlled by timer: press the button the relay will be switched ON and after specified time automatically switched OFF. This function can be used to open/close garage doors, blinds, curtains, etc.

4) Each button, backlight and relays output are completely independent. They are managed by the main controller or associated device. In this state buttons can be used to run scenarios and the backlight can indicate the Mode or device status.

BUTTONS

The panel has 5 touch buttons which are super sensitive and react even before physical touch, in fact processing at 1-2mm distance.

Each button has a two colour (red and blue) back light.

4 different brightness levels of each colour back light can be controlled manually by setting the value in the parameters or in automatic mode.

Automatic brightness control seamlessly adjusts the buttons backlight level to the ambient light conditions making it easy to use even in the dark.
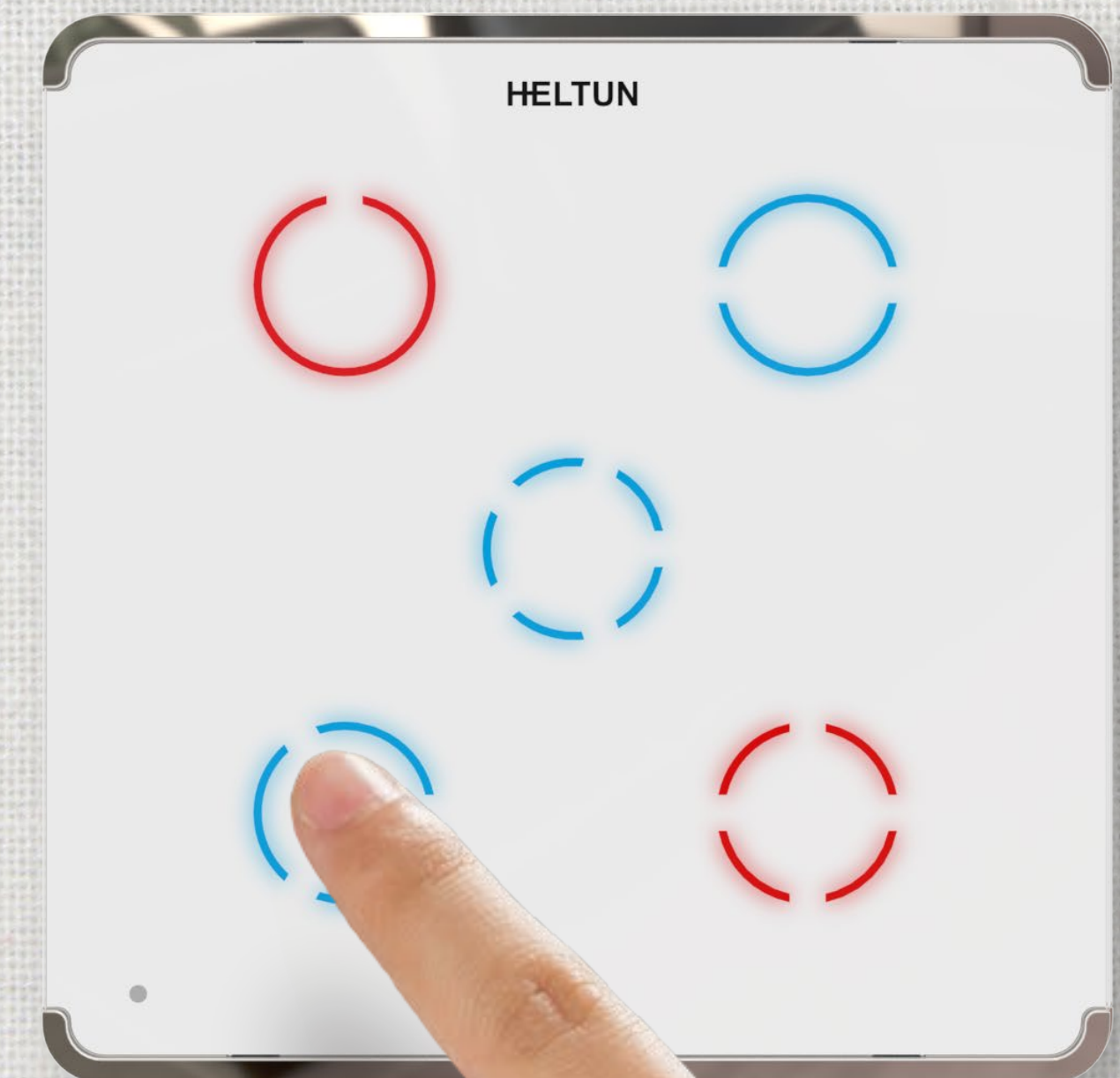
EASY
TO INSTALL

HELTUN devices can be easily installed into any standard wall fitment (rectangular or round). No special skills are required for intallation.

1

2

3

HELTUN

HomeSeer

Zipato

Vera

Fibaro Home Center Lite

Eedomus

Fibaro Home Center 2

Popp-HUB

Z-Wave.me RaZberry

Z-WAVE PLUS S2 CERTIFIED

Connect your HELTUN devices to the Smart Home controlling system using the latest secure Z-Wave plus chip with new advanced Security 2 (S2) framework (AES 256 encryption method for data transfer).
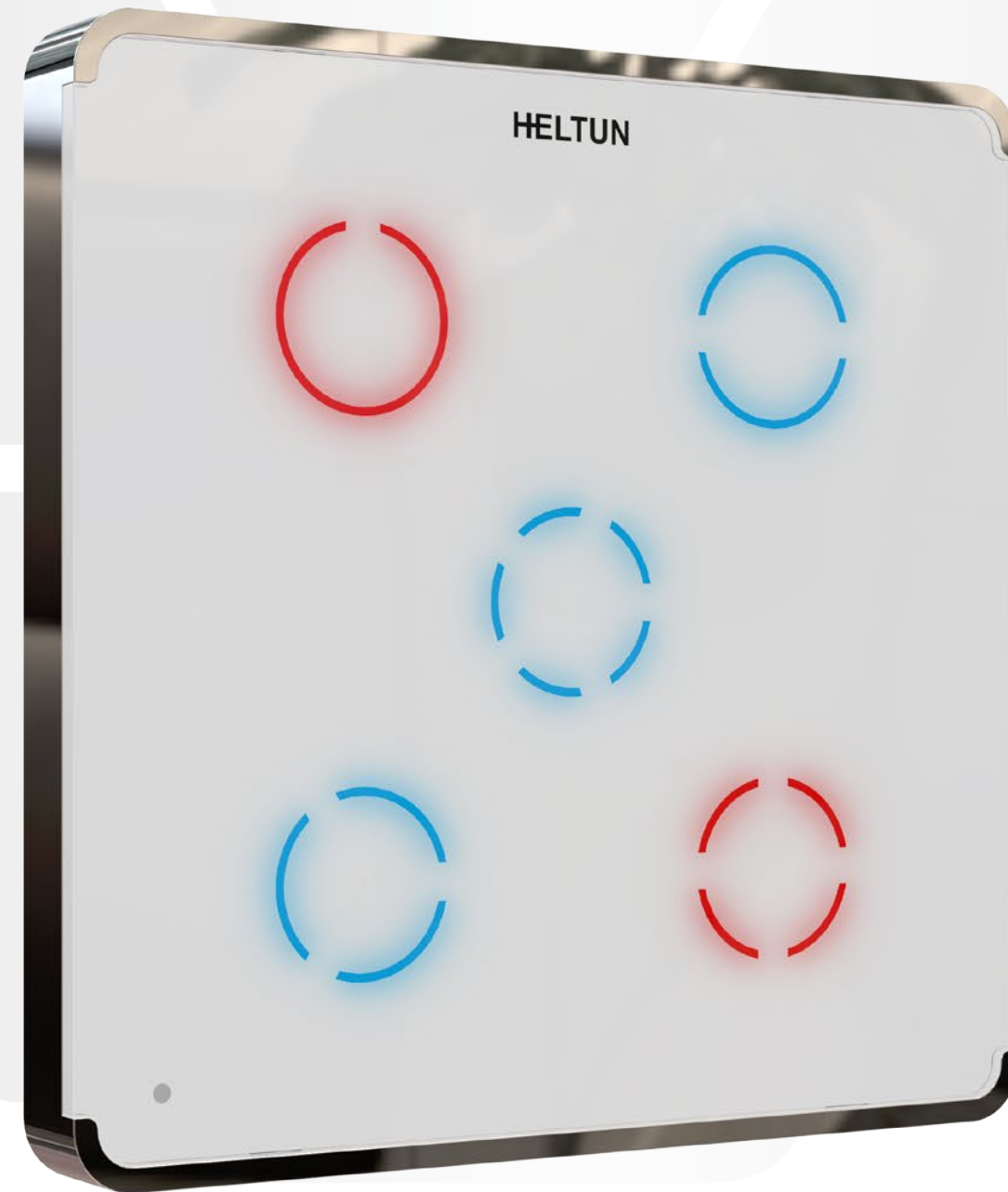
The HELTUN Switcher is compatible with all Z-WAVE certified controllers and devices.

With the Z-Wave controller, you can manage all the functions of the Switcher via a mobile application, including simulation of each button press, viewing accurate energy consumption charts and much more.

Up to 10 separate devices can be connected to the Switcher. You can associate with the Heltun Switcher any Z-Wave compatible relay and control door locks, valves, blinds, curtains and other motorised systems.

HELTUN
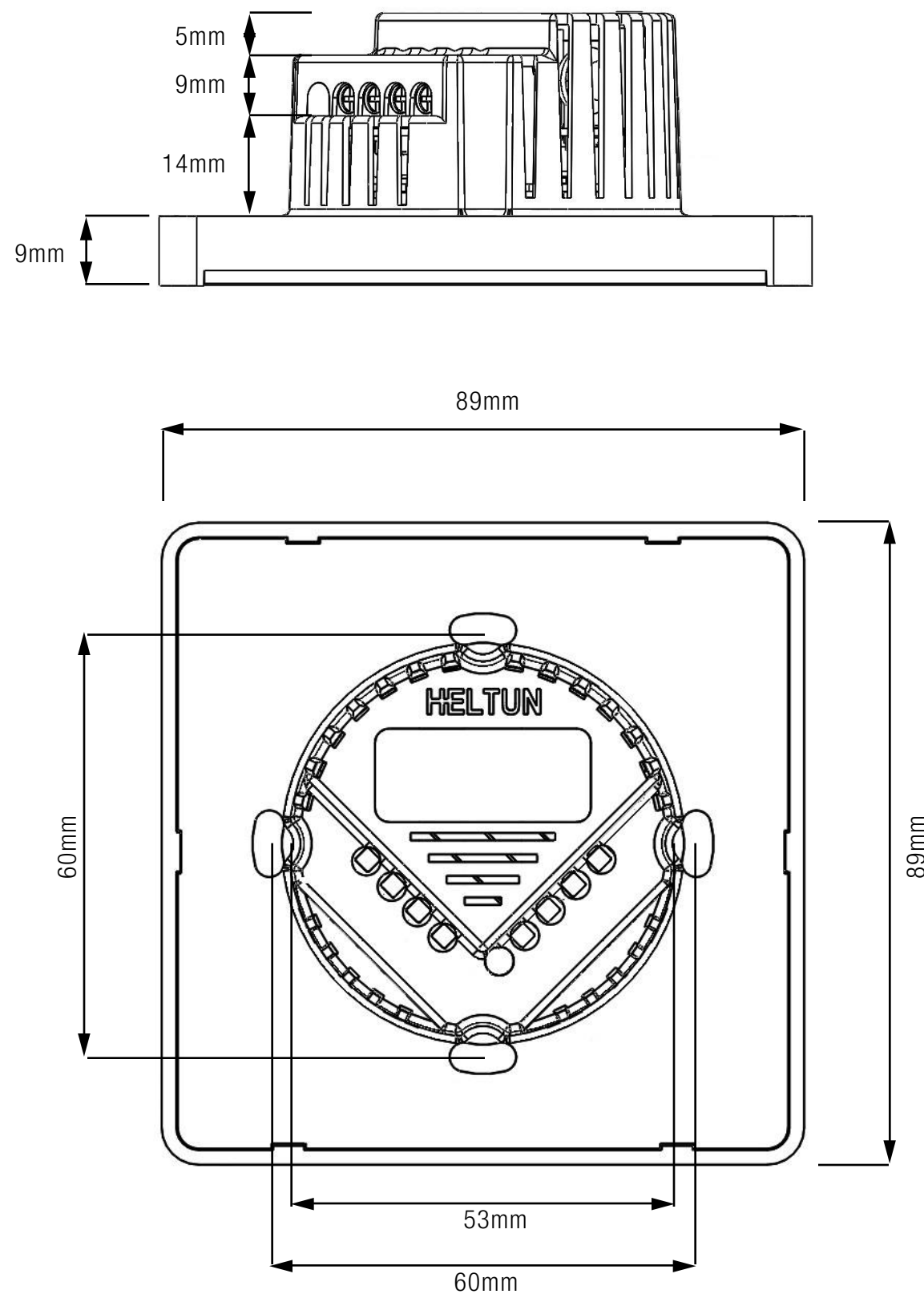
TECHNICAL SPECIFICATIONS:

- Front frame dimensions: 89x89x9mm
- Back dimensions: 53x53x28mm
- Material: Flame retardant plastic, tempered glass
- 4 frame colours: Silver, Chrome, Black, White
- 6 glass colours: White, Black, Yellow, Green, Red, Blue
- 5 sensitive capacitive touch buttons
- Red and Blue colour LED back light for each button
- 4 levels adjustable brightness for back light
- 5 channel relay output, resistive load up to 5A each
- 2 independent inputs for relays channel
- Operating temperature: -10°C – +60°C
- Power supply: 100V – 230VAC, 50Hz/60Hz
- Power consumption: 2.0W
- Max resistive load: 5A for each output channel
- Relays life time: 100.000 switches
- Internal ambient brightness sensor
- Internal temperature sensor
    - o Measurement range: -40°C to +125°C
    - o Accuracy: ±0.5°C
- Internal humidity sensor
    - o Measurement range: 0 – 80%RH
    - o Accuracy: ±3.0%RH
- Energy consumption meter
- IP class: IP21
- Z-Wave frequency: EU-868/869 MHz
(other frequencies available on request)
- Z-Wave SDK: V6.71
- Z-Wave Plus module: ZM5202

FUNCTIONAL SPECIFICATIONS :

- Inclusion/exclusion into/from z-wave network
- Association control of 10 devices from network
- Customize functions of touch buttons
    - o Switch the relay On only
    - o Switch the relay Off only
    - o Invert the state of the relay
    - o Hold function (Momentary switch)
- Choosing the relay channel for each button control
- Up to 5 different relays channel can be control by one button
- Relay outputs control by timer
- Exclusion of any relay from control
- Setup each button to control device from association group
- Back light colours invert
- Software energy consumption meter for each channel
- Temperature sensors calibration
- Adjustable LCD brightness: Auto or Manual
- Consumption meter reset
- Factory reset
- OTA function (Firmware update over the air).

Z-WAVE CLASSES:

GENERIC_TYPE_WALL_CONTROLLER
SPECIFIC_TYPE_BASIC_WALL_CONTROLLER
COMMAND_CLASS_BASIC
COMMAND_CLASS_SUPERVISION
COMMAND_CLASS_SECURITY_2
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
COMMAND_CLASS_SWITCH_BINARY_V2,
COMMAND_CLASS_CENTRAL_SCENE_V3

HELTUN

Made in Armenia
The Land of Surprising Engineering

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