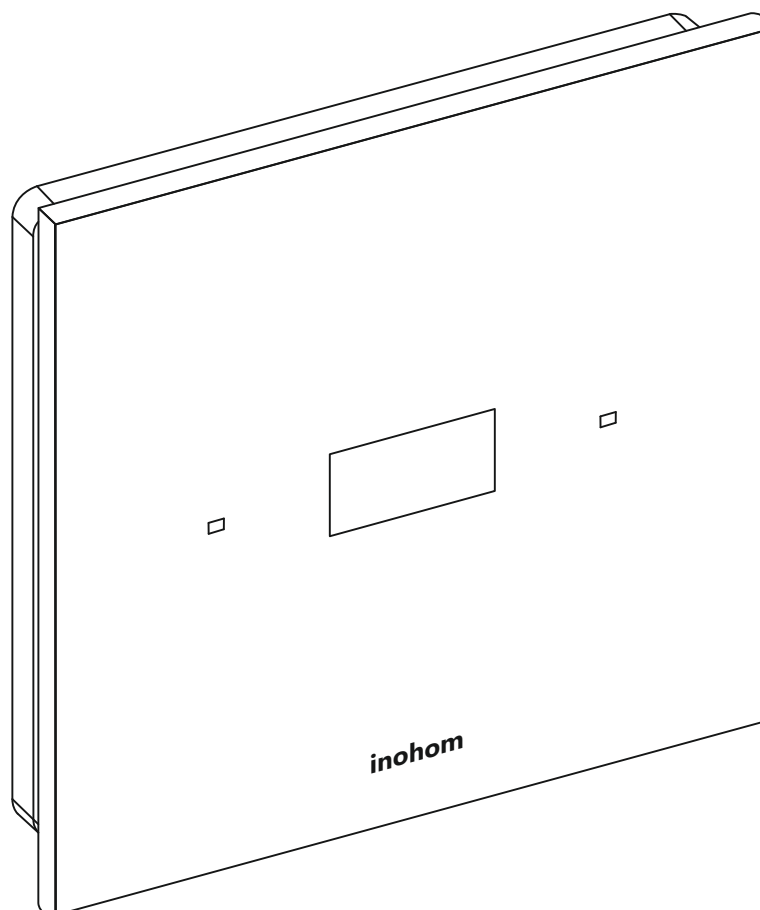


inohom

Smart Life Solutions



Smart Thermostat

(ST1710)

USER MANUAL

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1: Important Safety Information

Please read this manual before using the device!



Not following the recommendations in this manual might lead to danger. The manufacturer GST ELEKTRONİK LTD ŞTİ cannot be hold responsible for any loss or damages arising from not following the instructions in this user manual. Device is no longer under warrant after faults arising in these cases.

ELECTRIC SHOCK DANGER!



The device is designed to control other electronic devices and operates in houses. Incorrect connection or usage might cause fire or electric shocks.



There might be voltage on the connection tips even if the device is turned off. The fuse or power source must always be disabled if the connections will be changed.



Do not operate the device with wet or moist hands to avoid electric shock risk.

Do not open the product!



Do not make any changes on this device that are not specified in the user manual.

Other devices



The manufacturer GST ELEKTRONİK LTD. ŞTİ. cannot be held responsible for any damages or out-of-warranty if any unsuitable connections other than the connections expressed in the connection manual are made with other devices.

This product is designed only for indoors use in a dry environment.



Do not use the product in wet or damp environment such as bathtub, sink, bath and pool.

Device Cleaning



Do not clean the product with solvent (thinner, gasoline, acid etc.) or abrasive cleaning products. Avoid cleaning with vapour cleaning tools.

Heat Sources and Fire



Do not leave the device directly exposed to sunlight or other heat sources. Do not place the device near open fire or intense heat sources such as electric heater.

2: Description and Properties

inohom Smart Thermostat ST1710 is a chic room thermostat that can make sensitive measurements with built-in temperature sensor. This thermostat can manage your combi boiler with built-in 1 relay output cable. Also, this module can wirelessly communicate with RL1710 single channel relay module connected to dry contact input of your input.

With cables and wireless operation properties, this module can work integrated with inohom smart home or independently. Sizes are designed in standard switch cases. It has 0.96" OLED screen, tempered glass surface, and touchscreen LED button.

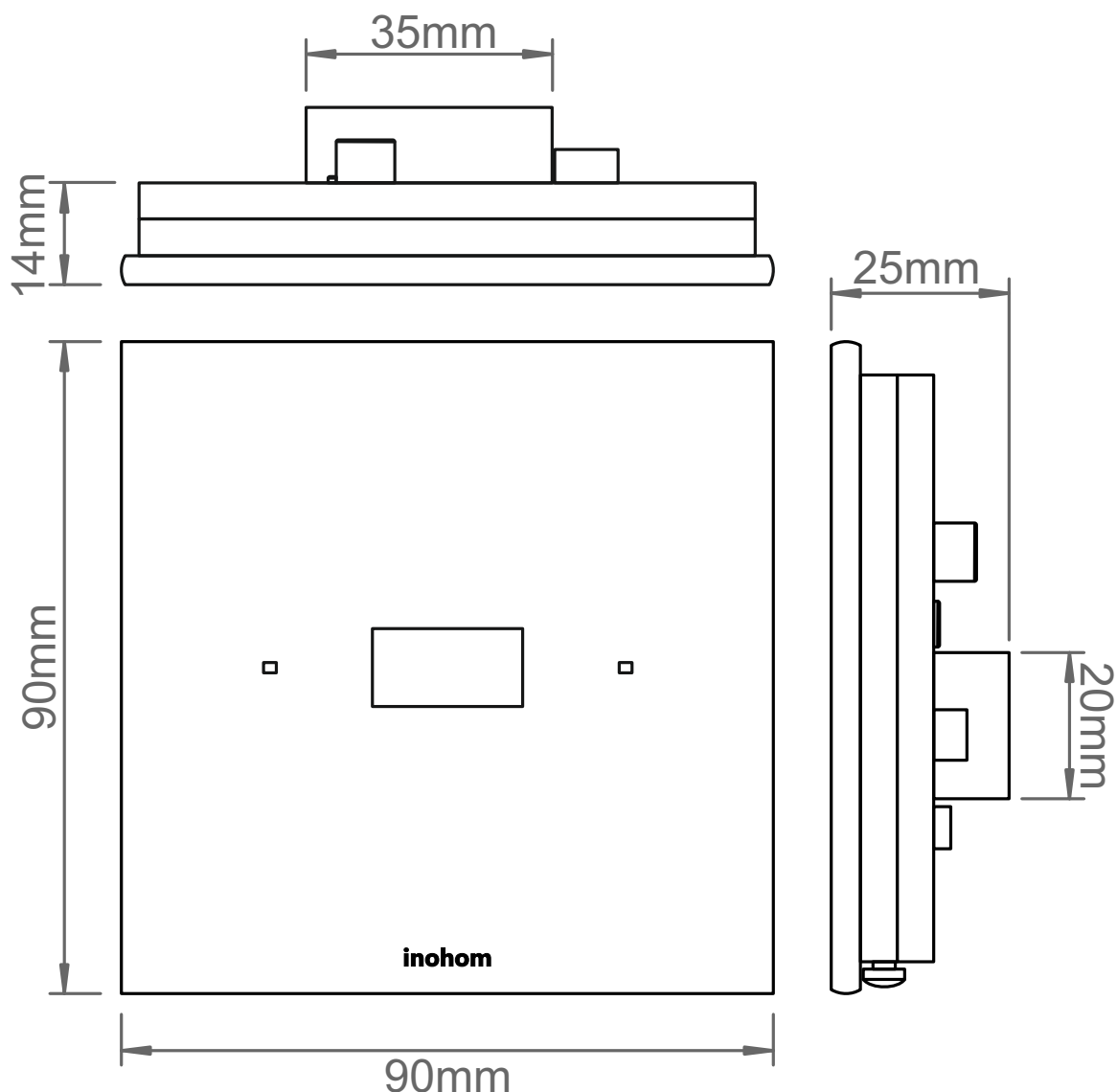
There are black and white glass colour options.

3: Technical Properties

3.1: Technical Details

Supply Voltage	12VDC or 100-240VAC
Power Consumption	1.2W (Max)
Outputs	1 Relay (277VAC 16A inrush 100A)
Sensors	Temperature Sensor (-55°C, +125°C)
Hysteresis	0.5°C
Screen	0.96" OLED
Buttons	Capacitive Touchscreen
Communication	RF 433 Mhz
Operating System	inohom OS
Connections	2.5mm ² screwed electric terminal
Protection Class	IP 20
Operating Temperature	0 - 50°C
Relative Humidity	Max 50°C %65 Ambient Humidity
Height	Max 2000m
Dimensions	90mm x 90mm x 14mm
Installation	Surface Wall Mounting
EMC Standards	EN55032:2015, EN55024:2011, EN62368-1
Design	4mm Tempered Glass Surface

3.2: Technical Drawing



4: Installation

4.1: Before Installation



Unsuitable connections against the manual might cause health, life or material damage risk.

- Do not power on the device before all the connections are completed.
- Check the device user manual to create a secure connection.
- Do not make any connections other than the connections specified in the scheme.
- Do not connect with devices that do not comply with security standards.



Mount the device away from metal surfaces or objects to avoid any negative impact on the wireless communication performance.

4.2: Mechanical and Electrical Assembly

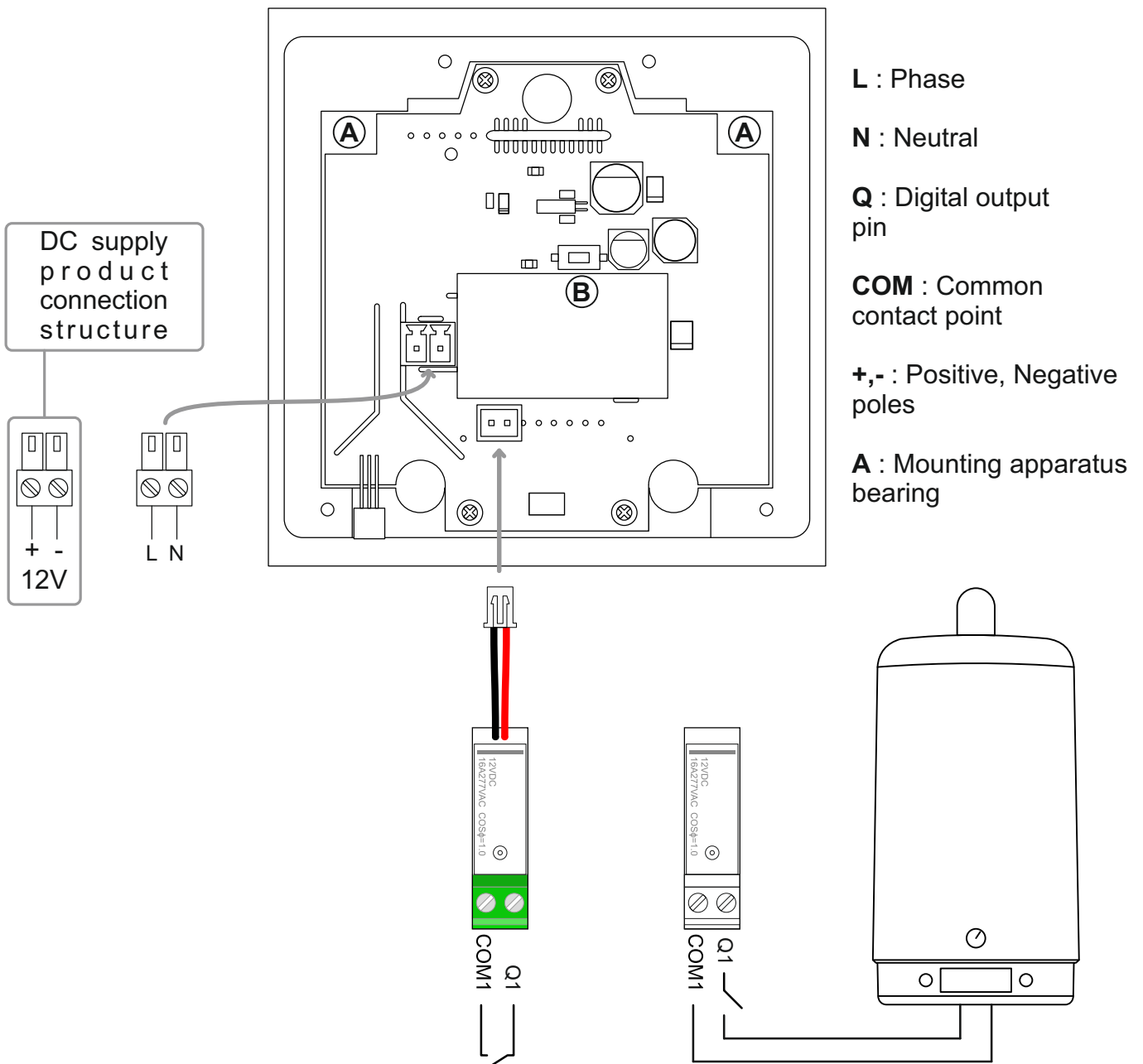
4.2.1: Return to Factory Settings

i The device will return the factory settings when the Reset button is pressed and held for 10 seconds. The button is given in the drawing with “B” letter.

4.2.2: Electrical Assembly

i The relay group that can be mounted and dismantled to the back of the device enables you to turn on/turn off the combi boiler from the Smart Thermostat.

! Intervention to your combi boiler thermostat connection ends without the knowledge of the authorized service might cause a damage on your combi boiler or the combi boiler to be out of warranty.

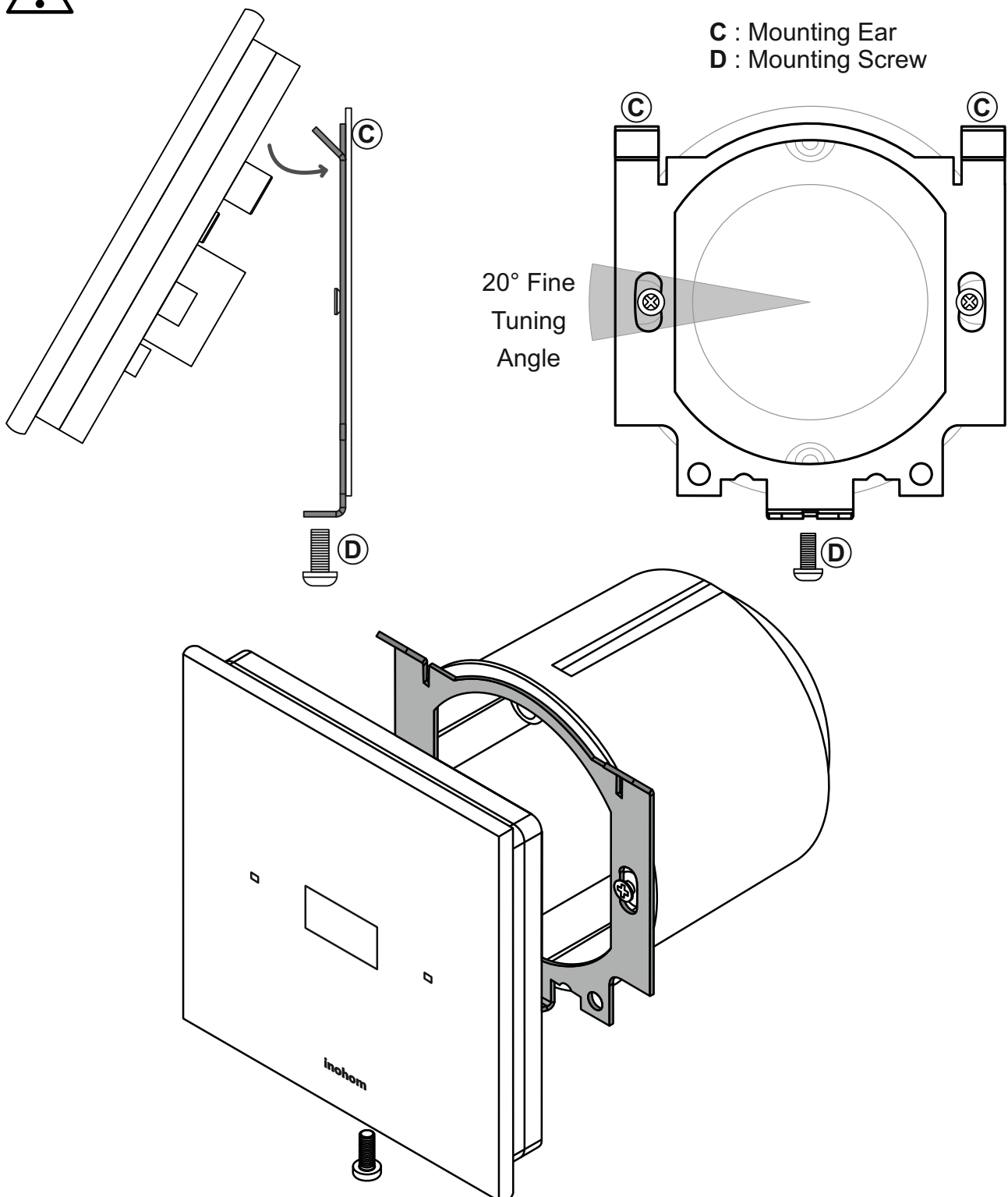


4.2.3: Mechanical Assembly

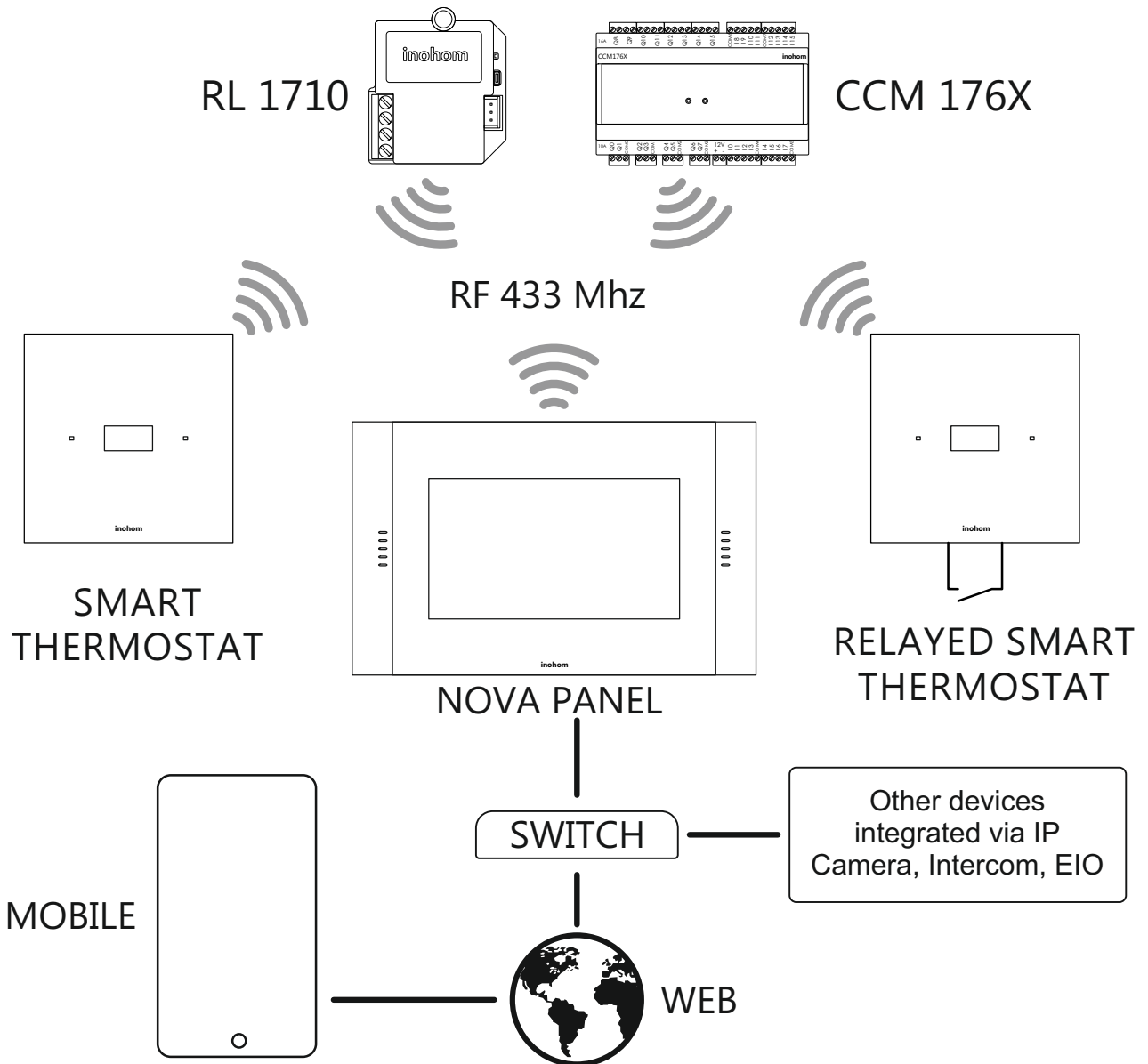
i The product mounting apparatus is designed with European standard flush mounted box dimensions. The flush mounted box should be placed 150 cm above the ground. Use the mounting apparatus in the box for mounting. Please use the corresponding holes of mounting apparatus to mount switch case. Make sure that the apparatus is perpendicularly mounted to the ground. The holes on the mounting metal sheet allows 20° deviation for fine tuning.



Please avoid overtightening the lower mounting screw.



5: Communication Properties



The devices use inohom communication protocol. Smart Thermostat can wirelessly communicate with other inohom products and can learn and switch output state values of other products.



inohom IP Gateway devices (Nova Panel/Home Manager) enable managing other devices integrated to the automation via the internet by enabling the system to communicate on IP layer.



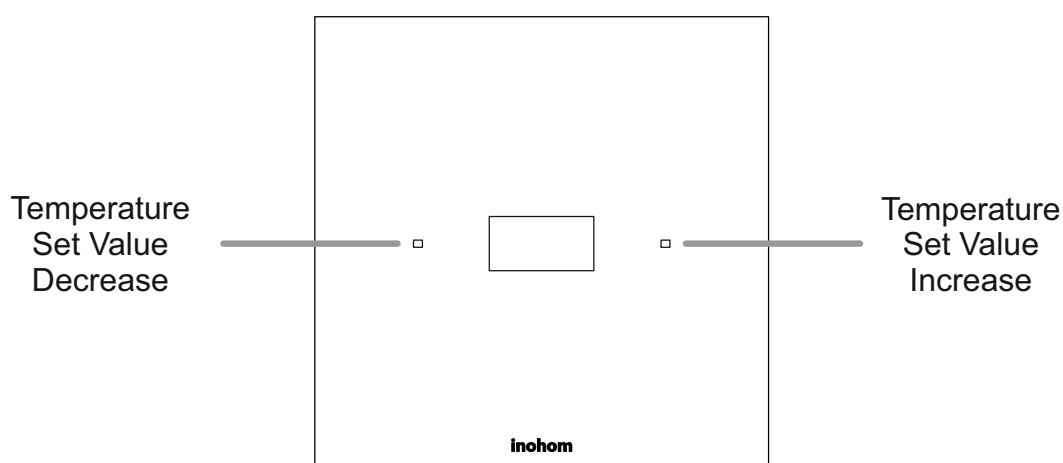
The product can be used with or without relay depending on the needs. You can trigger its own when used with relay or relays on RL 1710, CCM176X or Nova panel relays it wirelessly communicates without relay to manage your combi boiler for temperature set value and keep your room at the desired temperature.

6: DESCRIPTIONS

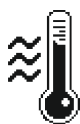
6.1: Button Functions

i inohom Smart Thermostat series switch buttons can be assigned with different tasks. The tasks assigned to the buttons are adjusted by inohom authorized dealer. This operation is completed by trained technical personnel in commissioning program.

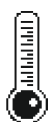
i 2 buttons; Pressing and holding for 10 seconds at the same time opens the device information monitoring page. To turn it off, any of the buttons must be pressed once.



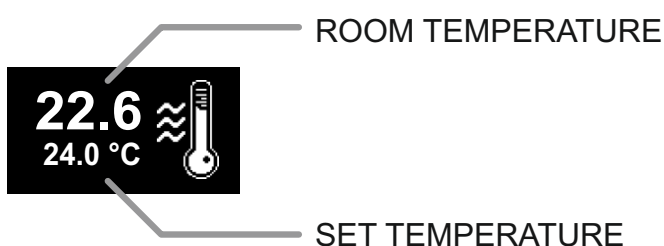
6.2: Screen Menu Descriptions



HEATING ACTIVE




HEATING PASSIVE



7: Commissioning



 The commissioning of the inohom products after assembly is completed by the authorized inohom dealers and technical staff. Detailed management panel interface ensured communication and other settings between the devices.

At commissioning stage, the “FIND” button on the automation control panel interface is used to identify the related device.

The LEDs on the device will blink with 1 second interval when pressed “FIND” button and press “STOP” button when the device is found.

Then, setting parameters are sent to the related device with “MATCH” button and the device becomes operational.

“IO TEST” buttons on the control panel interface can be used for testing the correct cable connection of the device. The state of the desired output can be changed as on/off and energy flow towards the terminal is identified.

8: Regulations

Legal Warning

The properties, functionalities and other product properties can be changed without prior notice. inohom reserves the right to review or update the products, software or documents without any liability to notify any individuals or organizations. Inohom is a trademark of GST Elektronik Elektrik Yazılım Makina Dan. San. ve Tic. Ltd. Şti. All other brand and product names herein are the trademarks of their respective owners.

Declaration of Conformity



The company has ISO 9001 Quality Management, 14001 Environment Management, 45001 Occupational Health and Safety Standards.



The domestic production logo on all the products show that the manufacturing and software are 100% completed in Turkey.



CE mark is a free trademark only for authorized officials and this mark does not contain any property assurance.



The product box is manufactured from a recyclable material. Do not discard the package waste with domestic or other waste and recycle package wastes.



The devices tagged with WEEE symbol shall not be discarded with other domestic waste. The product should be delivered to the related collection point for waste electric and electronic equipment recycle.

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