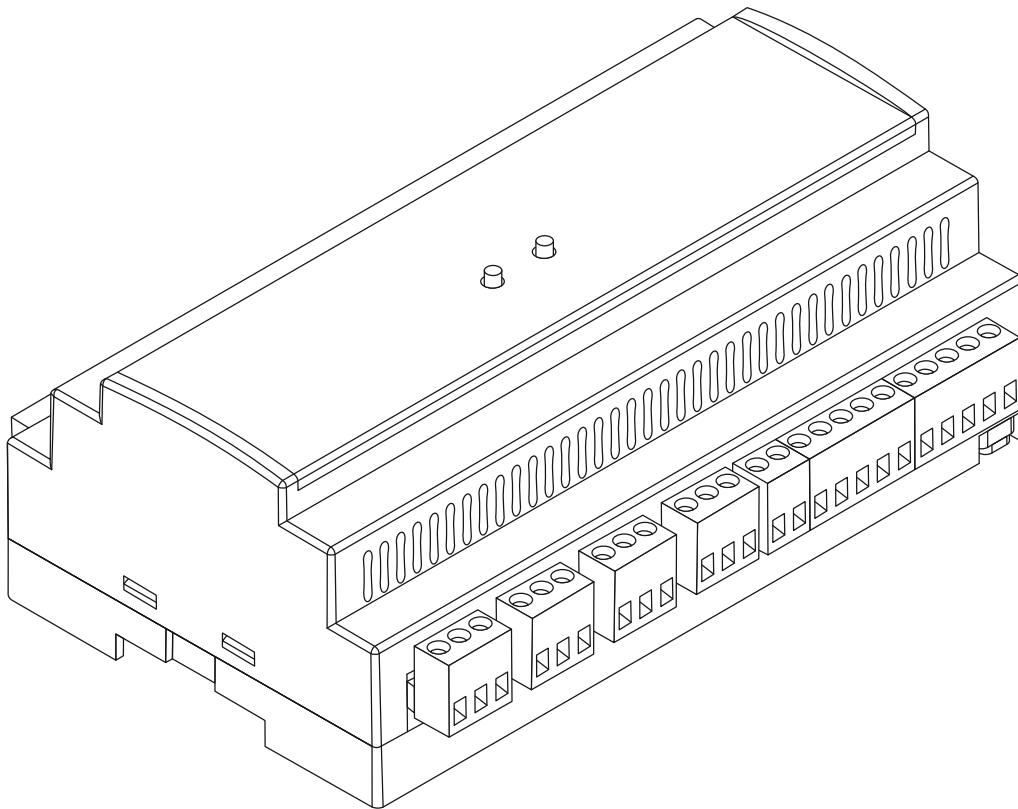


inohom

Smart Life Solutions



Central Control Module (CCMXX6X)

TECHNICAL 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

Central Control Module with inohom 16 input/output is used for managing devices that can be operated with load open-close commands such as CCMXX6X alarm control, room-based heating, illumination, plug, curtain-blinds.

CCM1760

8 build-in 10A 250VAC and 8 build-in 16A 277VAC (inrush 100A) relay output and 16 DC input.

CCM1761

8 build-in 10A 250VAC and 8 build-in 16A 277VAC (inrush 100A) relay output and 16 AC input.

CCM2160

8 build-in 10A 250VAC (inrush 40A) and 8 build-in 16A 277VAC (inrush 100A) relay output and 16 DC input.

3: Technical Properties

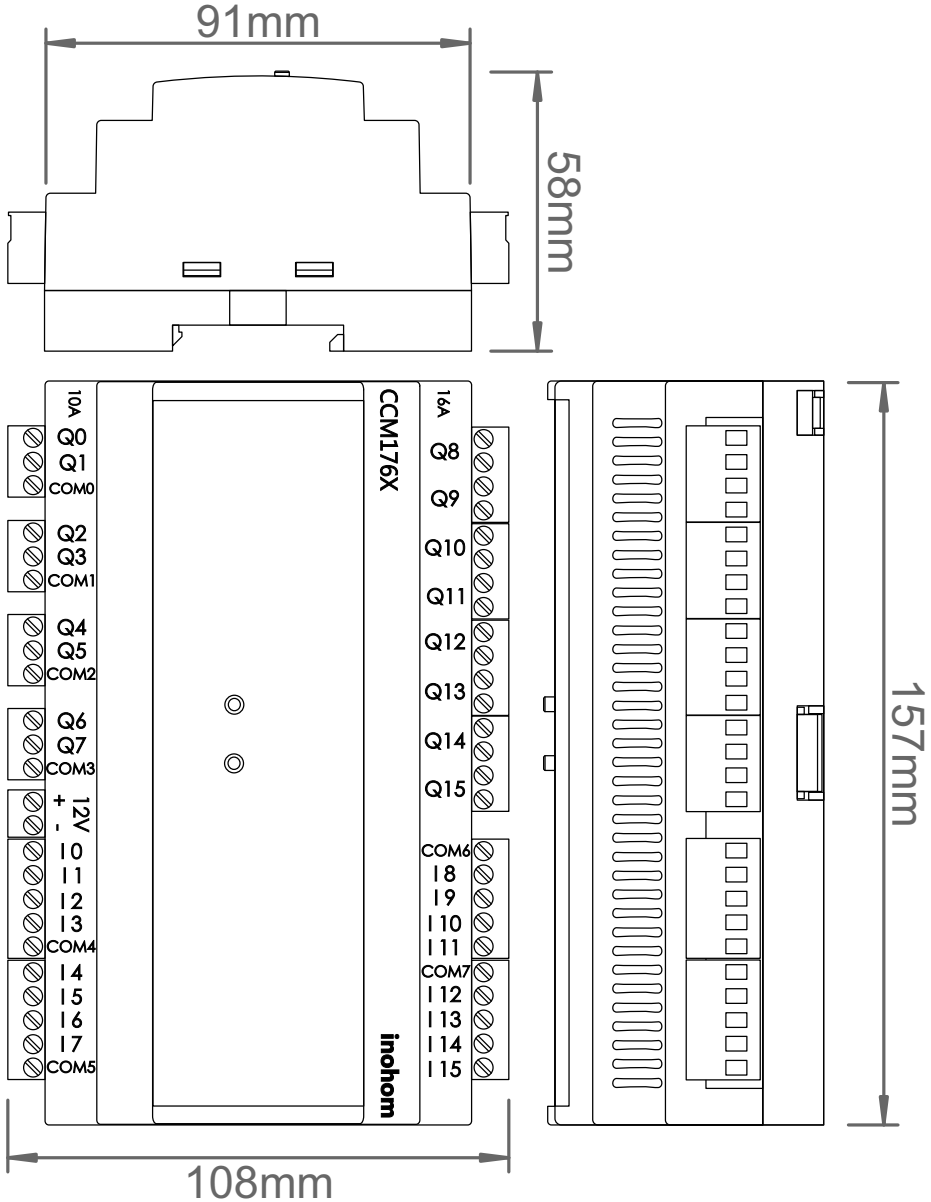
CCMXX6Y

→ Y=0 DC INPUT
→ Y=1 AC INPUT

3.1: Technical Details

Supply Voltage	12VDC
Power Consumption	9.6W (Max)
Inputs	8/16 AC/DC Insulated Input
Outputs	8/16 Relay (277VAC 10/16A)
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	156mm x 90mm x 58mm
Installation	Rack Mounting
EMC Standards	EN55032:2015, EN55024:2011, EN62368-1

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.

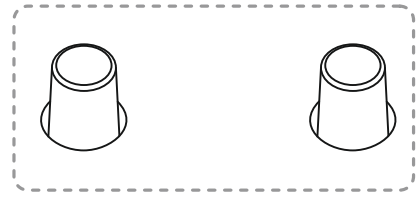


Mount the device away from metal surfaces or objects to avoid any negative impact on the wireless communication performance.

4.2: Mechanical and Electrical Assembly

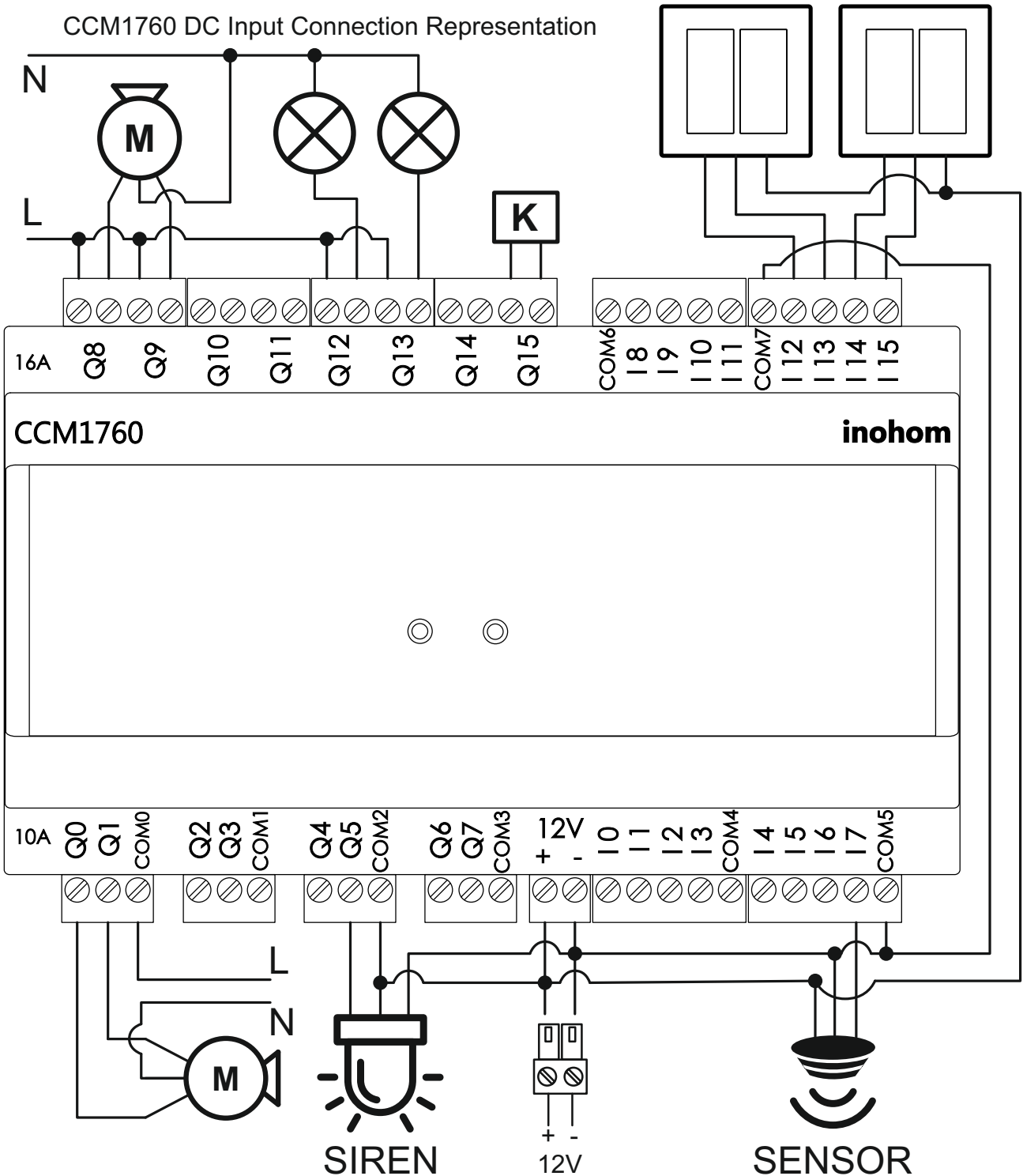
4.2.1: Return to Factory Settings

i When you press and hold these two buttons and wait until the LEDs no longer blink, the device will return to factory settings.

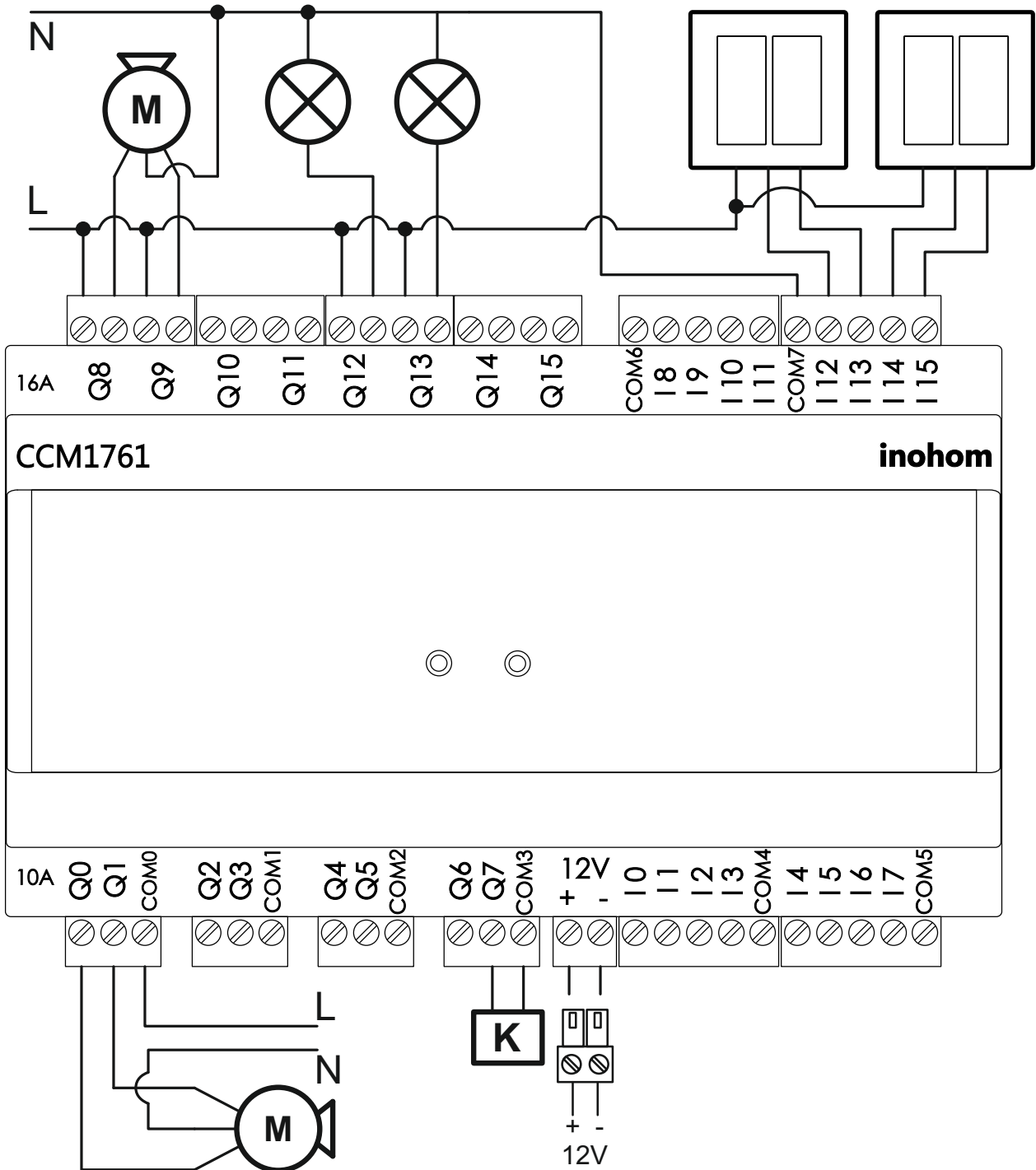


4.2.2: Electrical Assembly

i Since some relays have a common COM connection when the relay is connected to the combi boiler, leave Q1 output empty if connected to Q0 and leave Q3 output empty if connected to Q2. There is no COM connection from Q8 to Q15. This can be used for direct connection.



CCM1761 AC Input Connection Representation



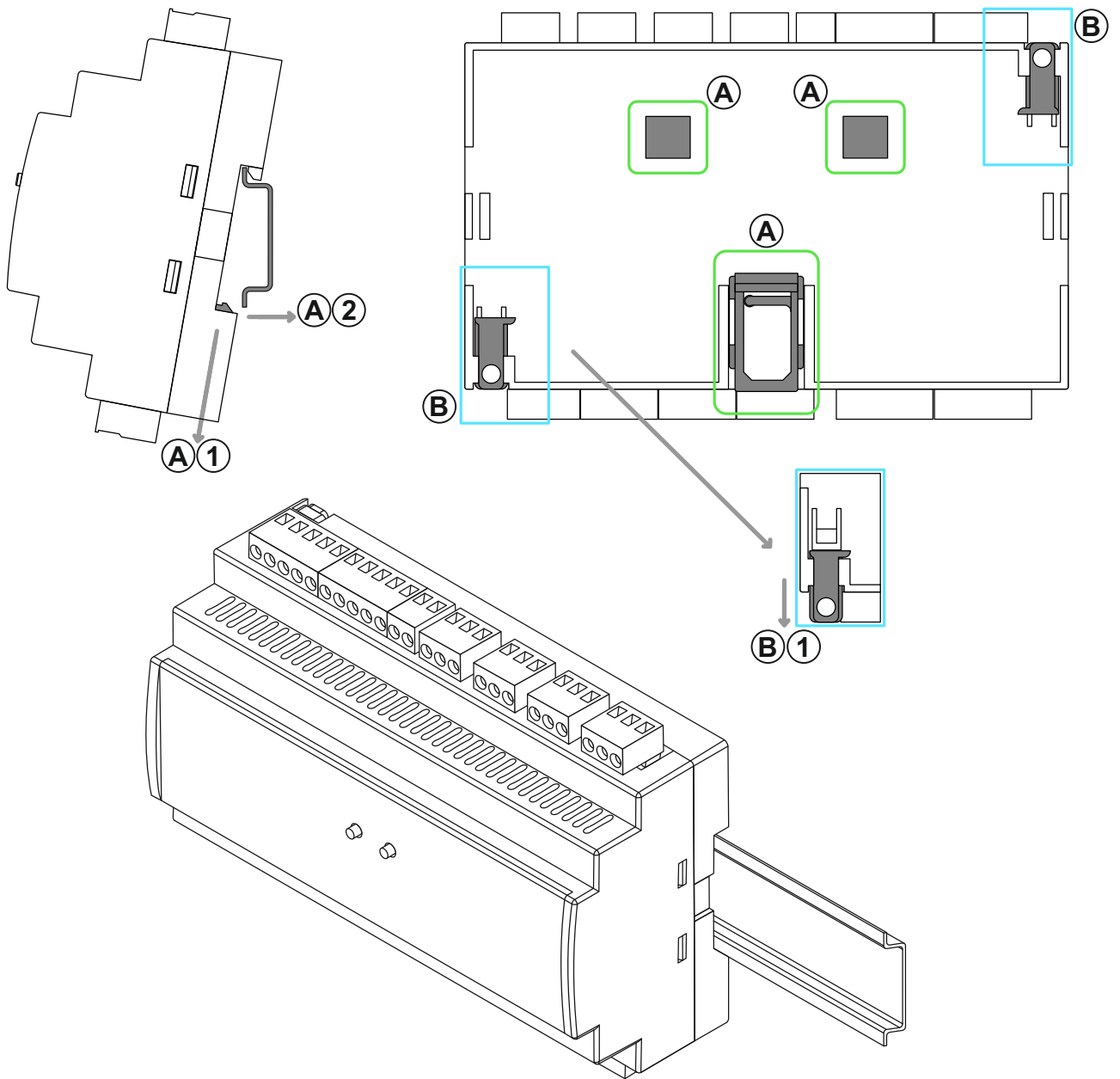
- L** : Phase **Q** : Output Connection **COM** : Common contact point **M** : Curtain, Blinder Motor
- N** : Neutral **I** : Input Connection **+,-** : Positive, Negative poles **K** : Combi boiler thermostat connection ends

4.2.3: Mechanical Assembly

i This is a locked design box suitable for DIN rack mounting. Dimensions are designed in standard fuse box form.

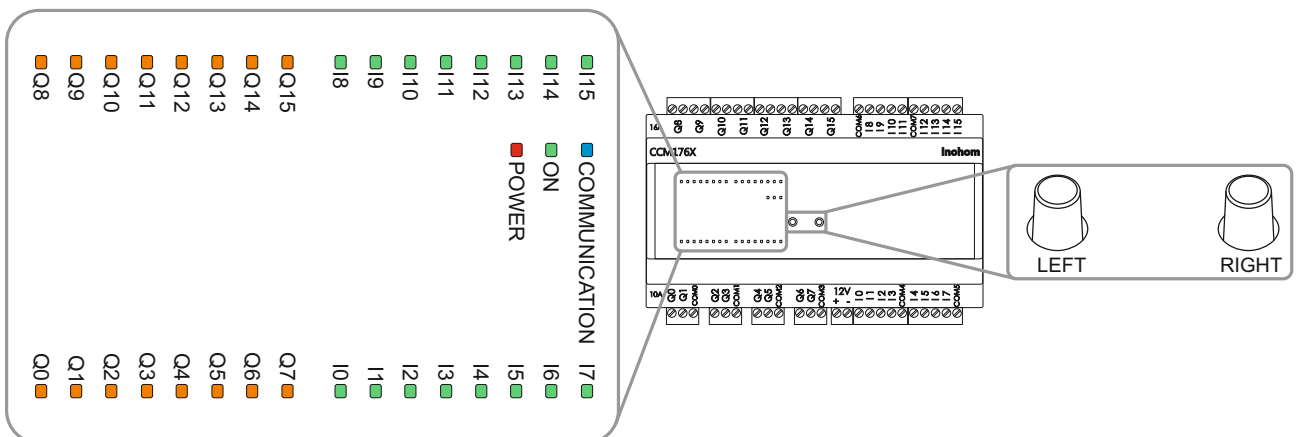
- 1: Pull the mounting apparatus down.
- 2: Push the device to mounting bearing.

- A: Rail mounting bearing
- B: Screw mounting bearing



5: Buttons and Indicators

5.1: LED Indicators

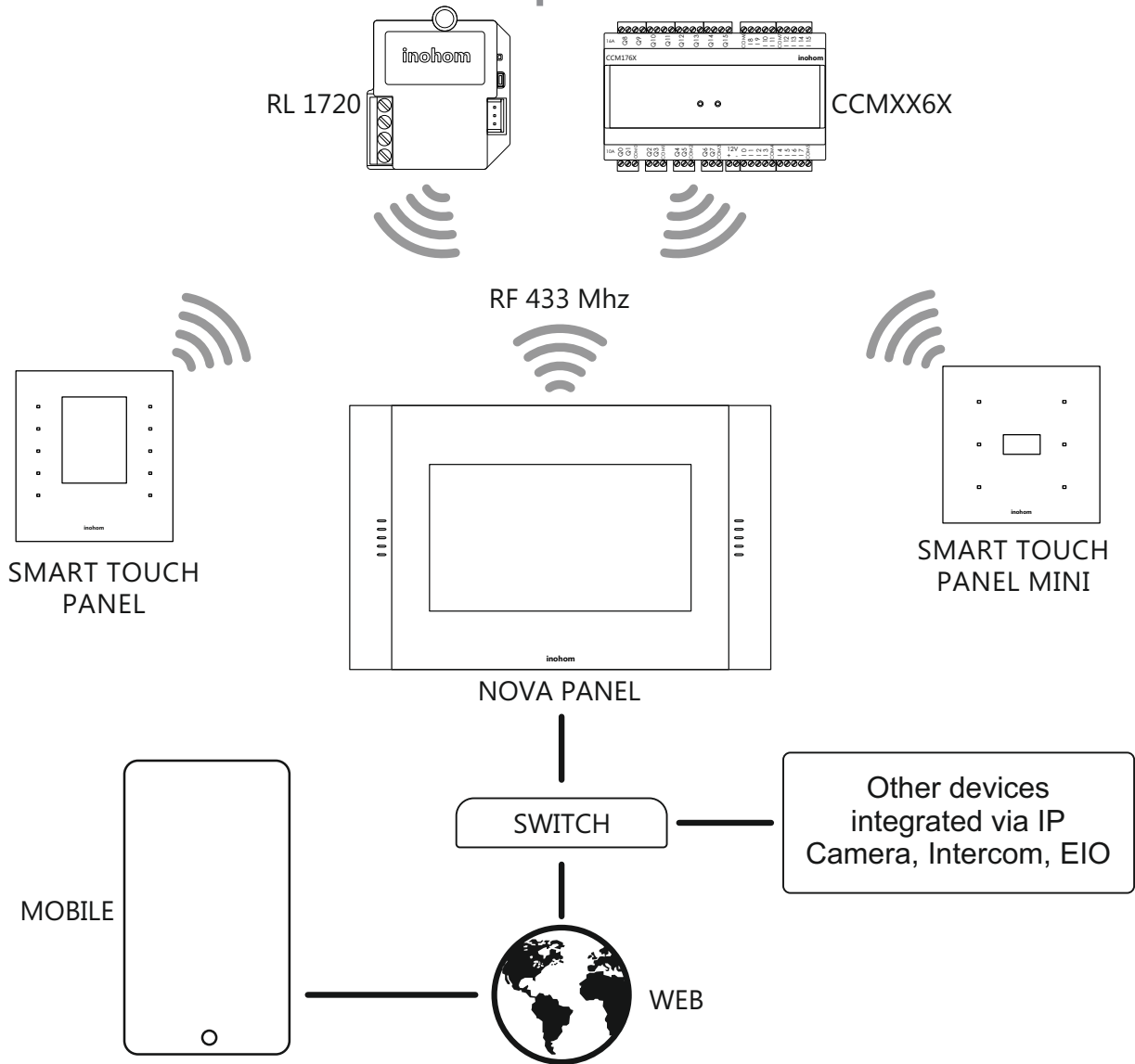


5.2: Button Functions

i Different tasks can be assigned to inohom Central Control Module input and outputs. Functions assigned to input and output are provided by inohom authorised dealers. This operation is completed by trained technical personnel in implementation program.

i When there is power on the device, press and hold two buttons for 2 seconds for the output control mode. The left button selects the output and the right button changes the state. You can exit this mode by pressing and holding two buttons for 2 seconds.

6: Communication Properties




The devices use inohom communication protocol. CCMXX6X 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.

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 A.Ş. 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 themanufacturing 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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