Manuals+

lumenradio 840-2110 Automation System with Wireless Modbus

Product Specifications

- **Product Name:** W-Modbus
- **Connectivity**: Wireless Modbus
- **Mounting Options**: DIN rail, Wall mount
- **Gateway Options**: DIN rail, Wall mount
- **Color Indicators:** Blue, Green, Yellow

Product Usage Instructions

- **Installation Guide**

  Connect your building automation system with wireless Modbus using the W-Modbus device. Choose between DIN rail or wall mount for installation.

- **Gateway Set-Up**

  Set your Baud rate, stop bit, and parity on the gateway. Move the switch to the appropriate setting (A for DIN rail, B for wall mount).

- **Connecting Field Devices**

  Install the LumenRadio node next to your field devices, starting with the one closest to the gateway. Connect the LumenRadio device to the chosen device (zone or room controller) and optionally set a local Baud rate.

- **Node Configuration**

  Place the LumenRadio device above the chosen device and connect. The node lights will sweep in blue. Wait until the lights start blinking green, indicating successful connection to the gateway.

- **Finalizing Installation**

  Return to the gateway and move the switch to GATEWAY mode. The devices will blink yellow as they enter secure mode. Once completed, you will have a wireless connection.

- **Using the W-Modbus App**

  To use the W-Modbus app, press the button on the gateway three times until it blinks blue twice. Verify your installation in the app and access a detailed overview by selecting Network Map.

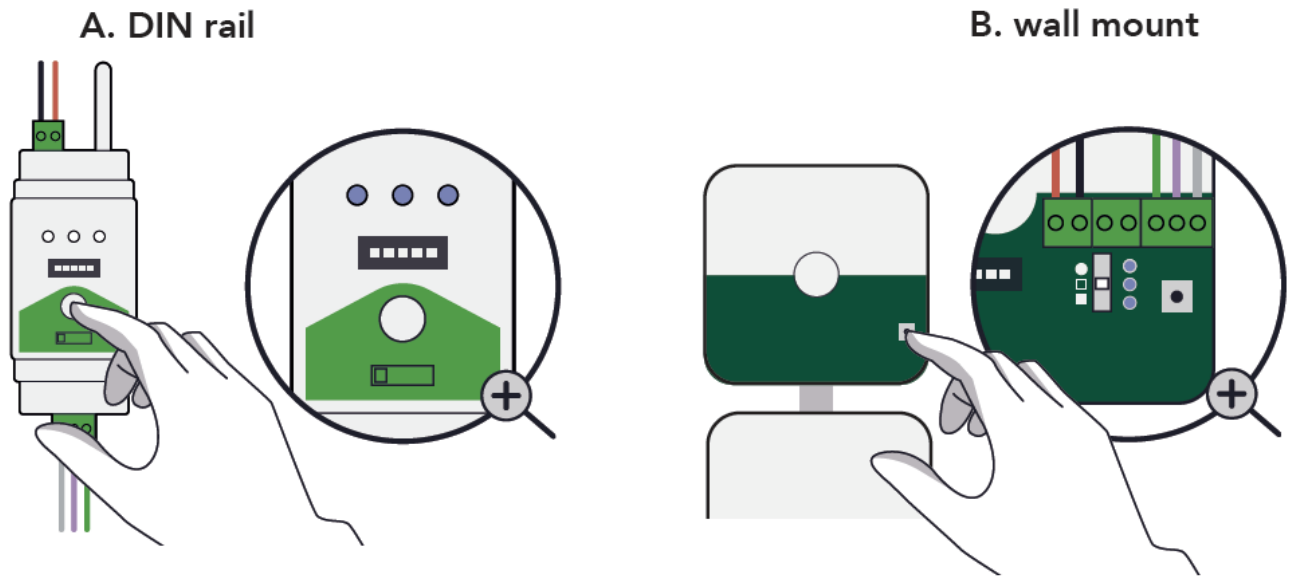**For more information, visit** www.lumenradio.com

Connect your building automation system with a wireless Modbus

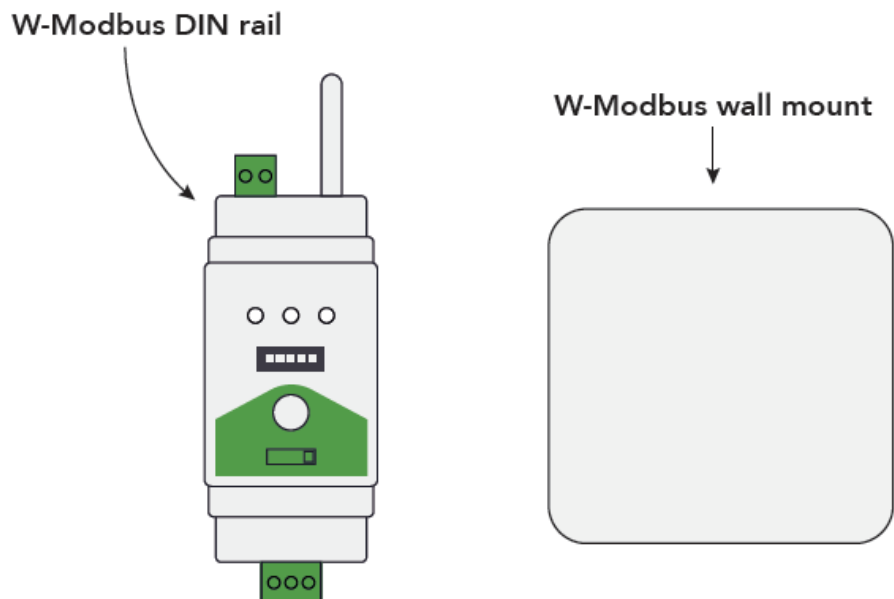For installation, no Modbus cables are needed.
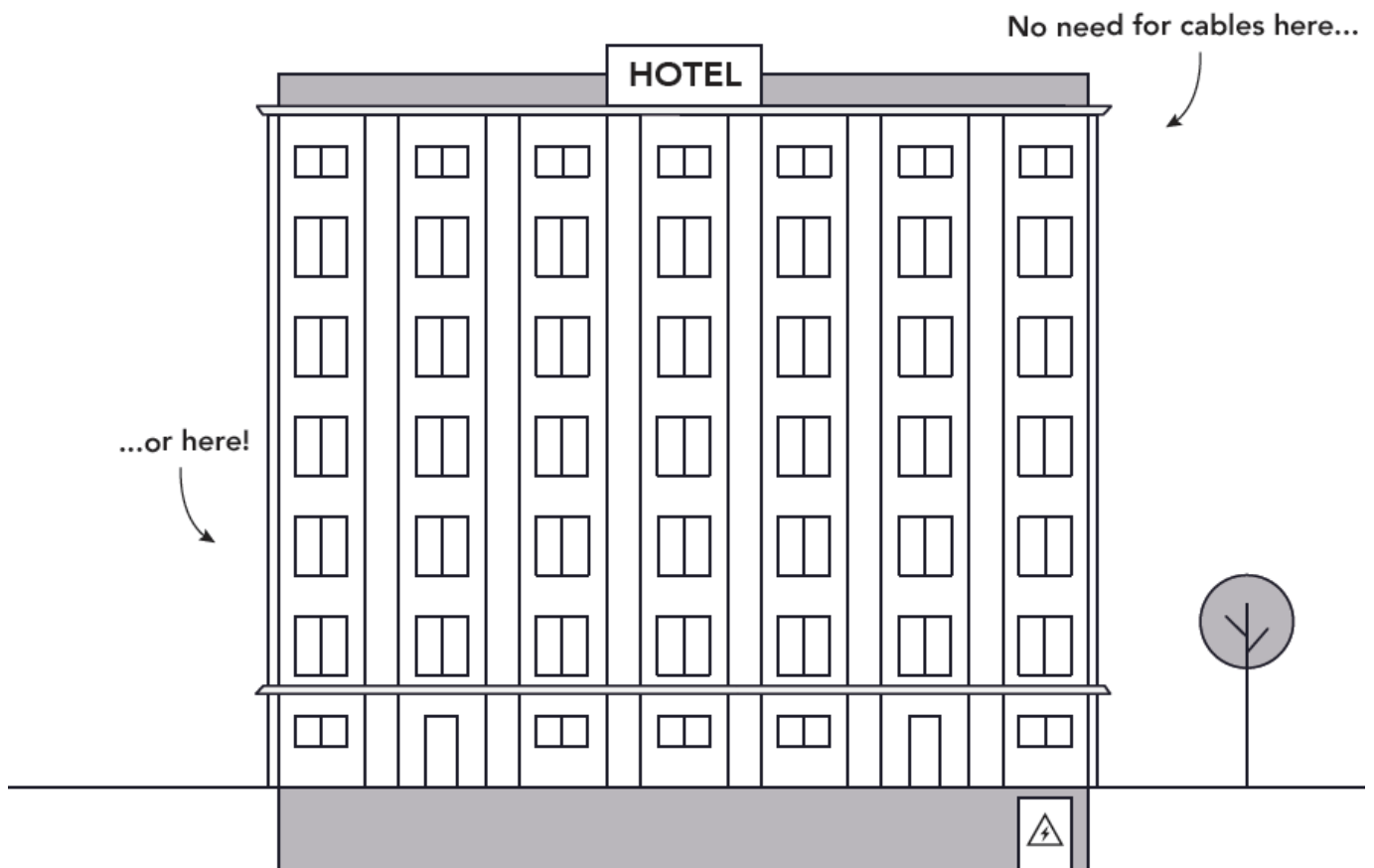
You need this for installation. Choose either W-Modbus DIN rail or W-Modbus wall
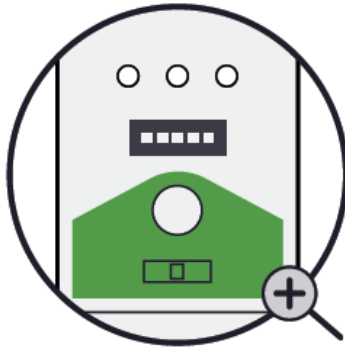
mount.

A. DIN rail

B. wall mount

The LumenRadio device next to the Modbus master (client) can serve as your gateway, with both DIN rail and wall mount options available.

W-Modbus DIN rail

W-Modbus wall mount

GATEWAY SET-UP

Set your Baud rate, stop bit and parity on the gateway (A or B).

A. DIN rail

	1	2	3	4	5
9600 baud	OFF	OFF	-	-	-
19200 baud	OFF	ON	-	-	-
38400 baud	ON	OFF	-	-	-
76800 baud	ON	ON	-	-	-
No parity	-	-	OFF	-	-
Even parity	-	-	ON	-	-
1 stop bit	-	-	-	OFF	-
2 stop bit	-	-	-	ON	-
Use local serial configuration set on Node					ON
Use Gateway serial configuration on Node					OFF

B. wall mount
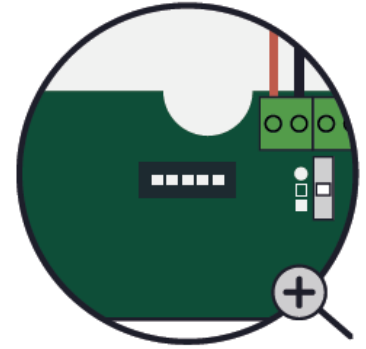
A – Move the switch to "COMM" or B – Move the switch to "▢",".

Continue by installing the LumenRadio node next to your field devices, starting with the one closest to your gateway.
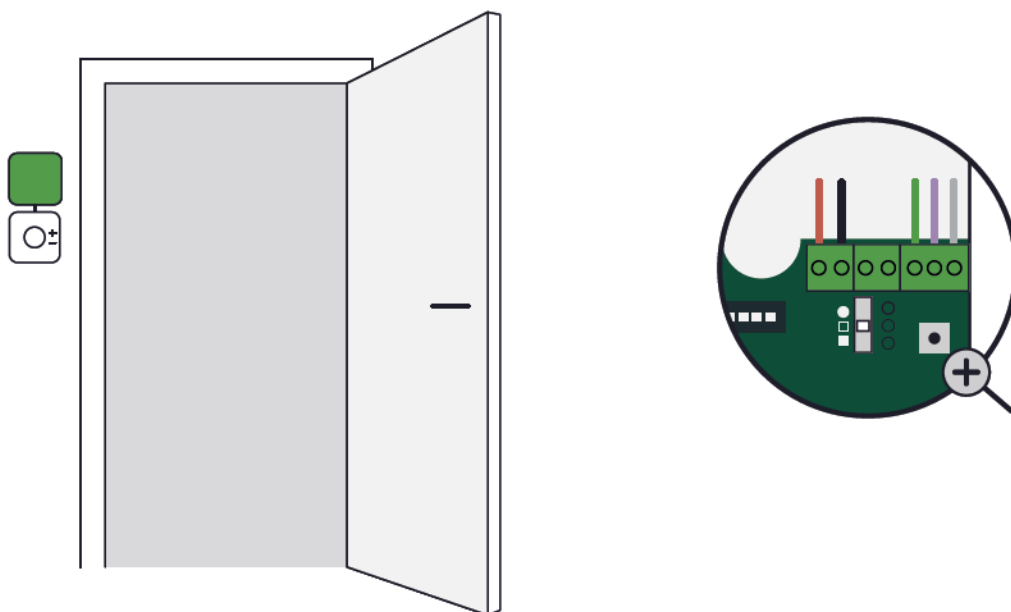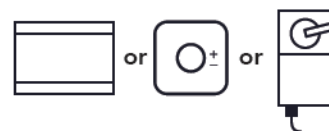
Ex. Node to zone controller
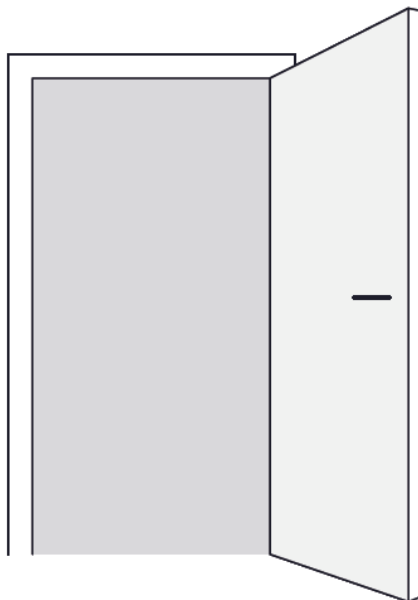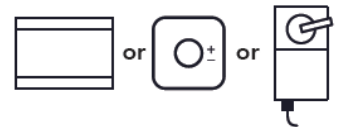
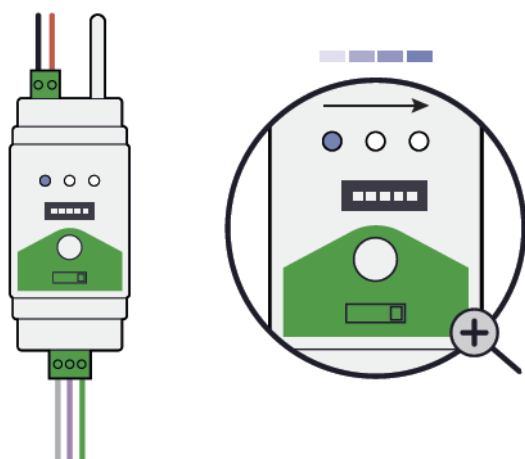Connect the LumenRadio device with chosen device (zone controller). Optionally, set a local Baud rate.

Place the LumenRadio device preferably above the chosen device (room controller) and connect. Optionally, set a local Baud rate.
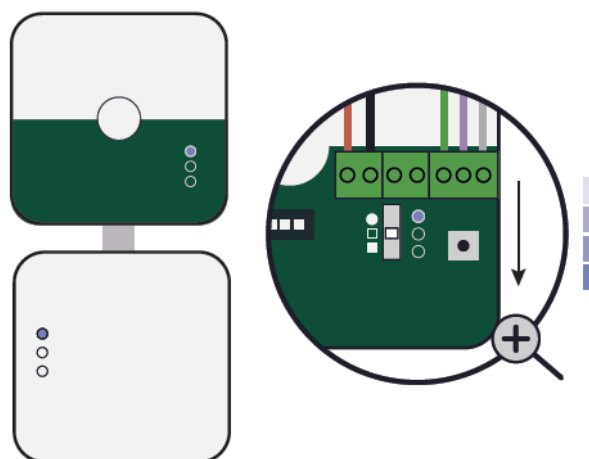
Ex. Node to room controller

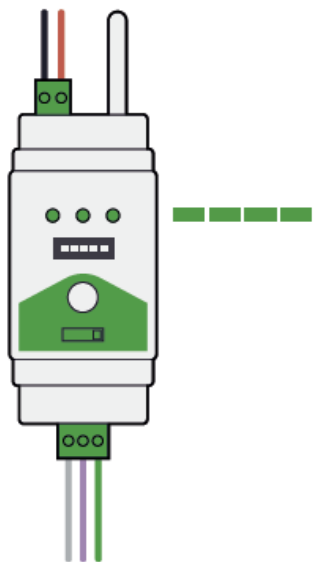The lights on your node will now sweep in blue.
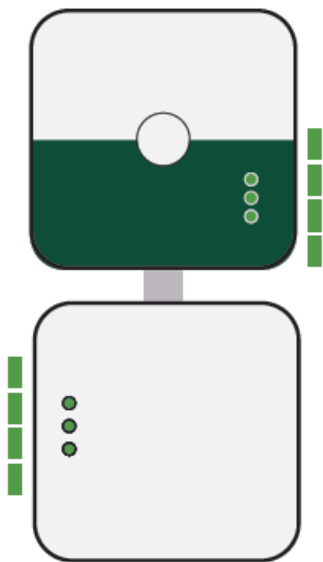
A. DIN rail

B. wall mount

When the lights start blinking green, the node has found the gateway. This can take up to five minutes.
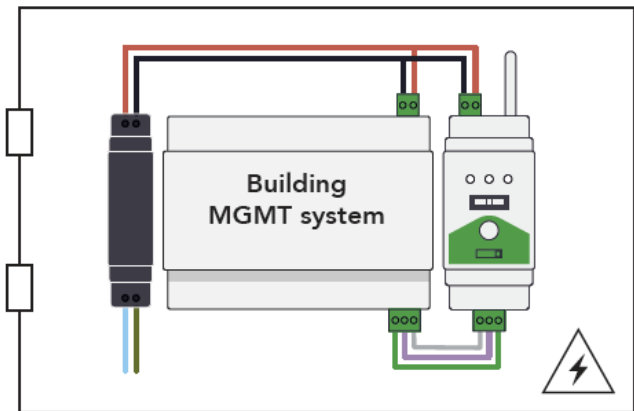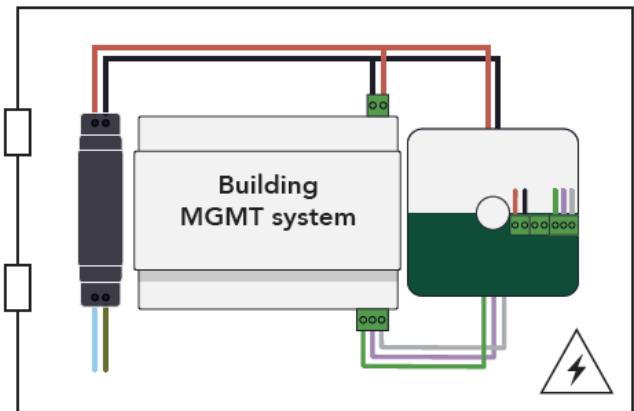
A. DIN rail

B. wall mount

Go back to the gateway.

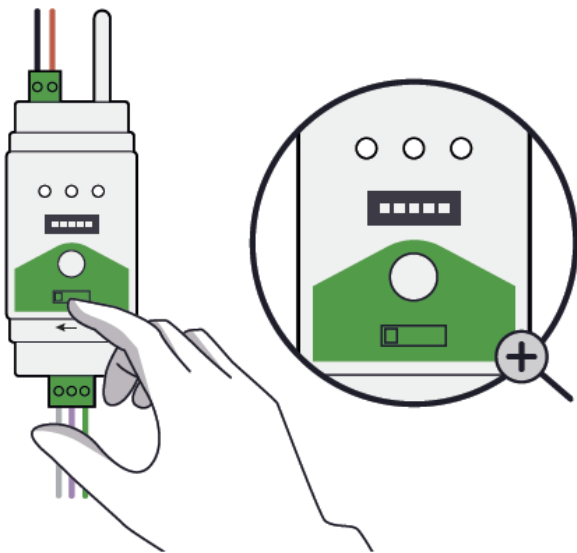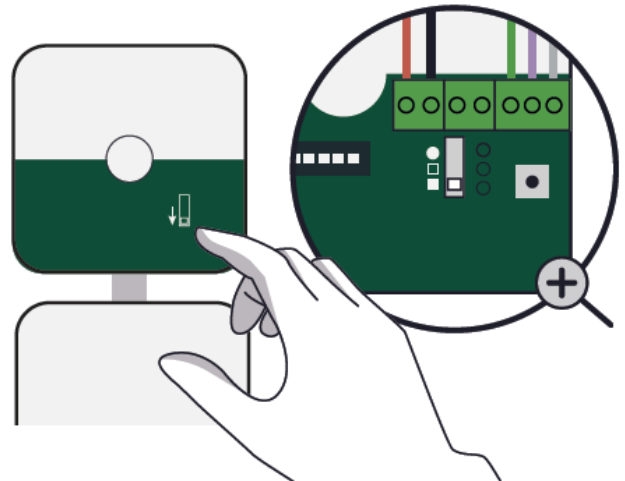## A. DIN rail

B. wall mount

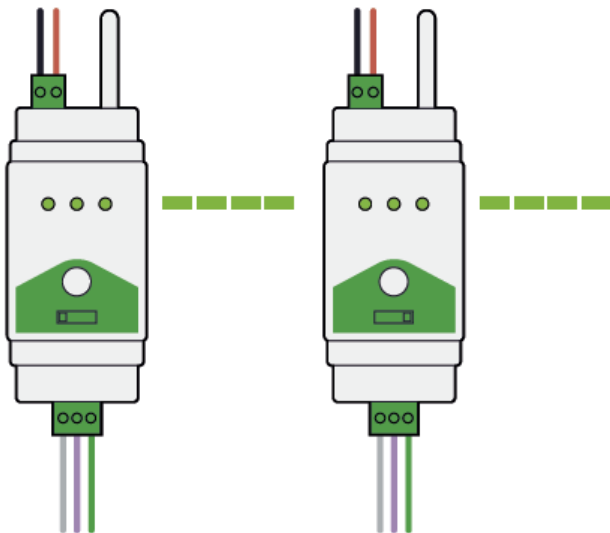**A – Move the switch to "GATEWAY" or B – Move the switch to** ❝▣❞
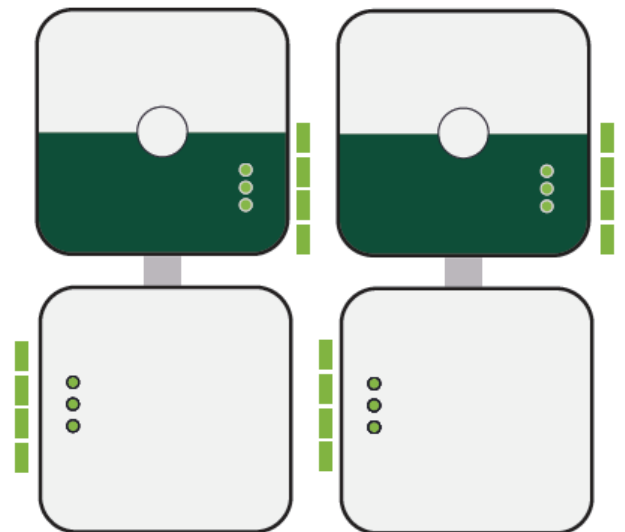
A. DIN rail

B. wall mount

The devices blink yellow entering secure mode. This may take up to 5 minutes.
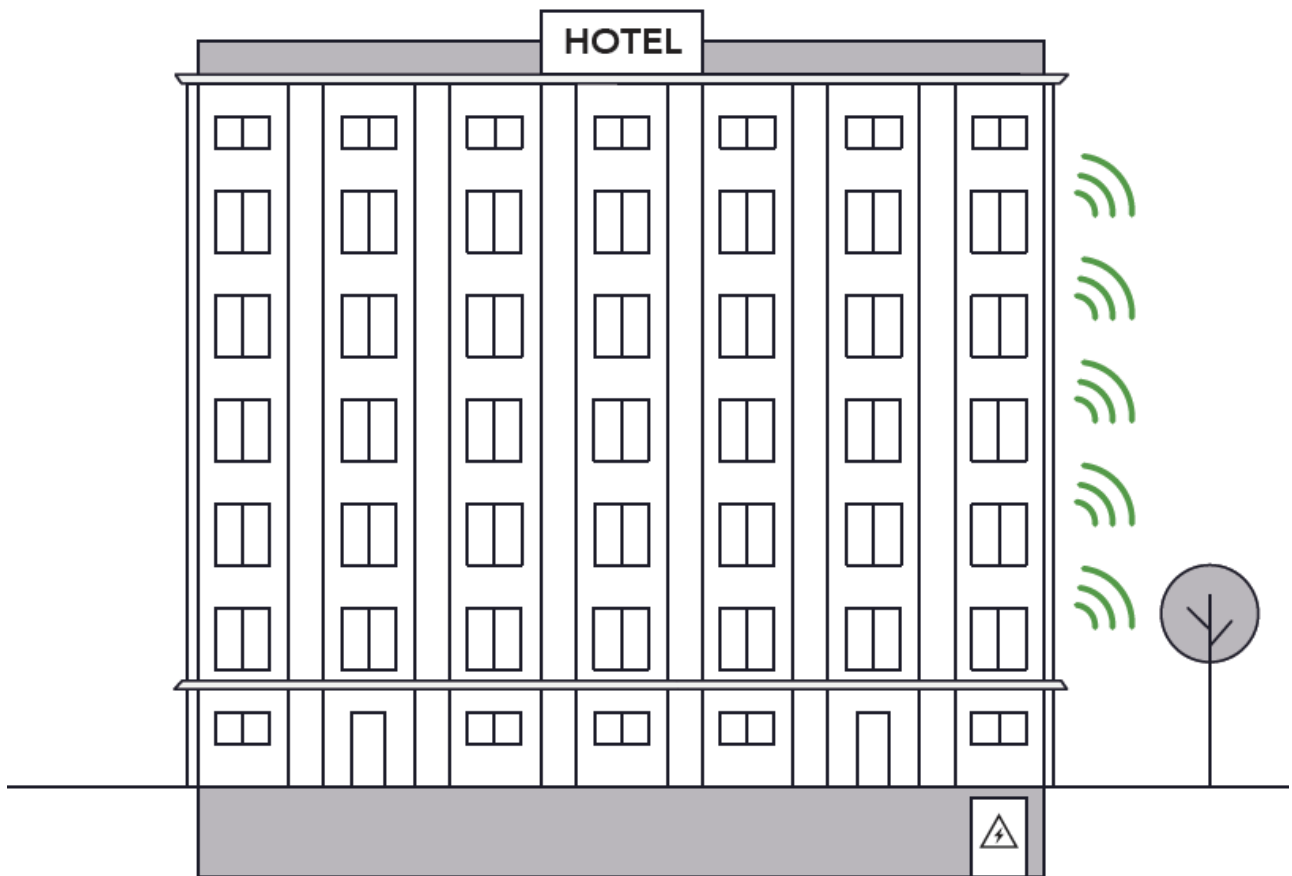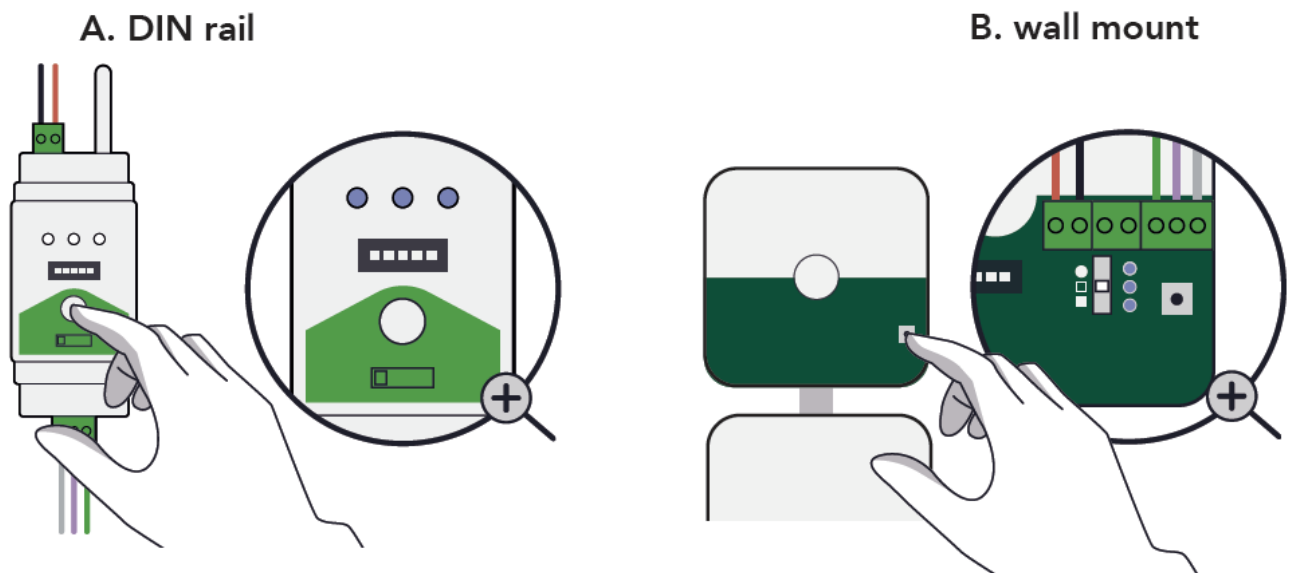
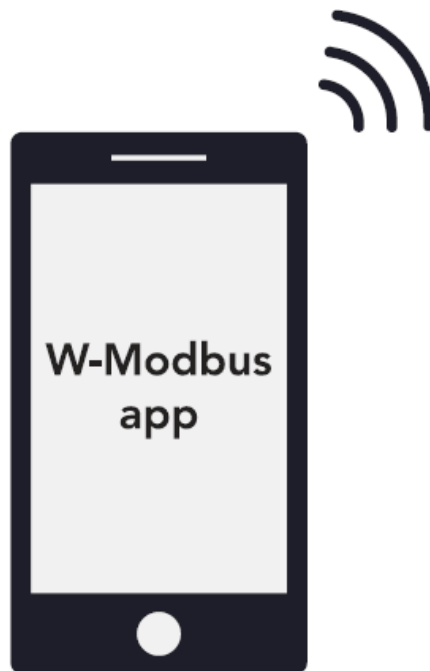## A. DIN rail

B. wall mount

Now you have a wireless connection!

To use the W-Modbus app, press the button on the gateway three times so that it blinks blue twice and you are ready to connect.

A. DIN rail

B. wall mount

Verify your installation in the app. For a detailed overview, select Network Map.

Learn more at www.lumenradio.com

FAQ

Q: How do I know if my node has successfully connected to the gateway?

A: The lights on the node will start blinking green, indicating a successful connection.

Q: How long does it take for the devices to enter secure mode?

A: The devices may take up to 5 minutes to enter secure mode, indicated by blinking yellow lights.

Documents / Resources

	lumenradio 840-2110 Automation System with Wireless Modbus [pdf] Installation Guide 840-2110, 840-2110 Automation System with Wireless Modbus, Automation System with Wireless Modbus, Wireless Modbus

References

- User Manual

LumenRadio

🏷 840-2110, 840-2110 Automation System with Wireless Modbus, Automation System with Wireless Modbus, LumenRadio, wireless Modbus

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