



Matter Gateway EVG-MT01

Function Description

- Supports bridging for up to 128 Matter devices.
- Supports local area network connection.
- Supports OTA firmware updates.
- Supports lighting functions:
on/off lighting , dimmable lighting , tunable white lighting, RGB lighting.
- Supports environmental & temperature control:
air conditioning.
- Supports fan and curtain control.
- Supports sensor functions:
presence , illuminance, humidity, temperature detection.
- Supports security & switching functions:
smart sockets, push buttons, pulse triggering, door locks, garage doors.
- Supports general device functions:
KNX scenes, general control.

● Overview

Via the Matter gateway, direct control of the KNX system can be realized through mainstream smart home platforms such as Apple Home, Google Home, Samsung SmartThings, and various voice assistants including Siri, Google assistant and Bixby. This gateway converts the KNX bus protocol into the Matter over IP protocol, enabling traditional KNX devices to appear in the device lists of modern smart home applications just like native Matter devices. All commands are proceed within the local network without any cloud transfer, ensuring fast response speed, privacy protection and high security.

The system supports not only basic functions like scheduled on/off control and scene switching, but also the execution of complex automatic logic. For example, it can automatically link KNX devices including lighting, curtains, air conditioners and security equipment based on sensor data, time conditions, user location or weather information. Meanwhile, by leveraging the Matter ecosystem, the gateway can integrate hundreds of IOT devices(such as smart sockets, lighting controllers, door locks, sensors, etc.), allowing these Matter devices to work in perfect synergy with the KNX system. You can control both KNX circuits and Matter end devices with the same set of voice commands or automatic scenes, achieving a truly unified cross-protocol experience.

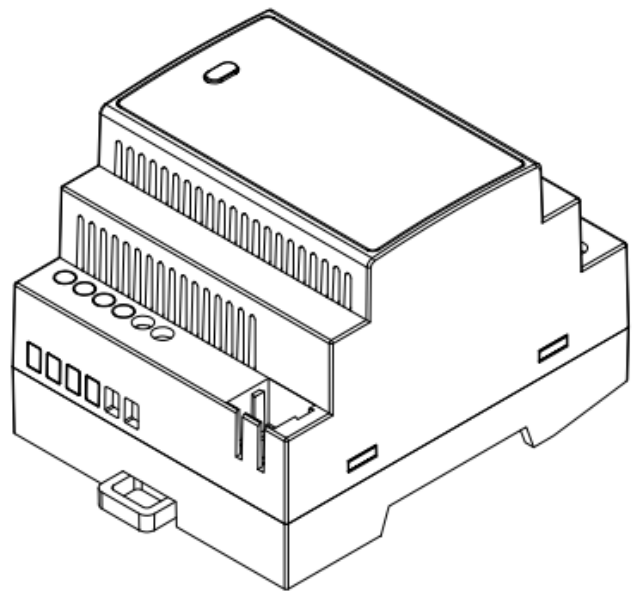
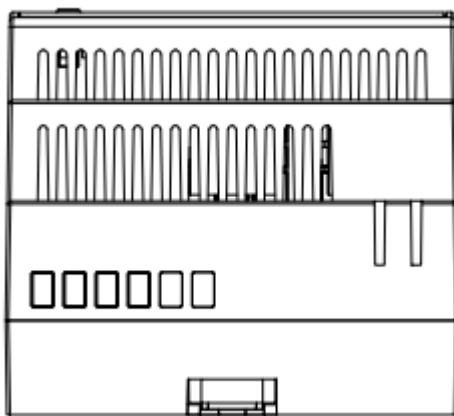
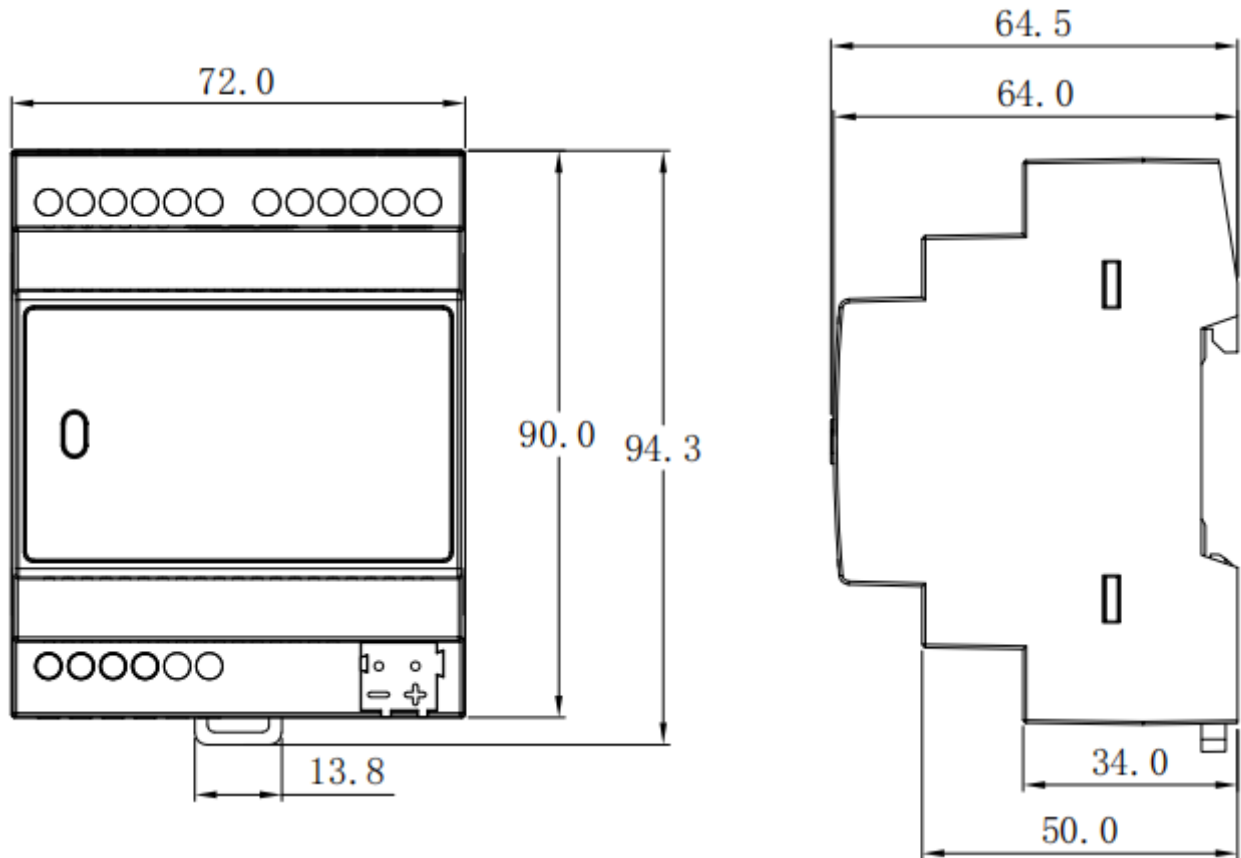
This solution combines the industrial-grade stability and reliable of KNX with the openness, flexibility and rich ecosystem of Matter. It is applicable to both new deployments for high-end residential and commercial projects and intelligent upgrades of existing KNX systems, enabling traditional bus systems to integrate seamlessly into the modern whole-house smart ecosystem.

1. Parameters

Model		EVG-MT01
Basic Parameters	KNX Bus Voltage	30VDC
	KNX Bus Current	< 20mA
	Bus Power Consumption	< 600mW
	Auxiliary Power Supply Input Voltage	20~30VDC
	Auxiliary Power Supply Input Current	< 250mA
	Auxiliary Power Supply Power Consumption	<7.5W
Environment	Ta/Operation Temperature	-5 ~ +45°C
	Ts/Storage Temperature	-20 ~ +60°C
	Operating Humidity	10 ~ 95% RH Condensation-Free
Connection	Screw-Type Terminal	0.5 – 4.0mm ² Solid Wire, 0.5 - 2.5mm ² Standard Wire
	KNX Bus Terminal	0.8mm φ, Solid Wire
	Dimension	72*90*64mm (W*H*D)
	Face Width	4SU
	Install	35mm DIN Rail Mounting

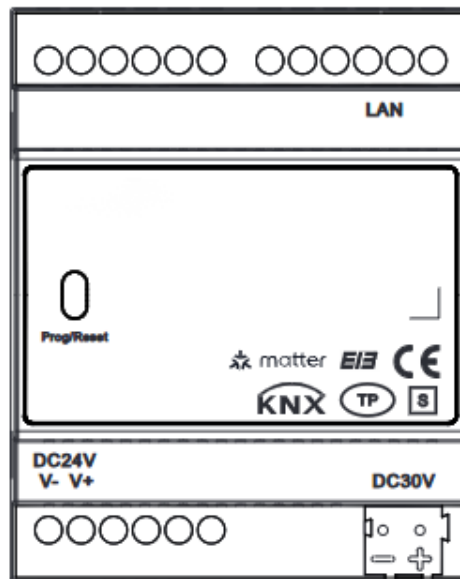
2. Dimension

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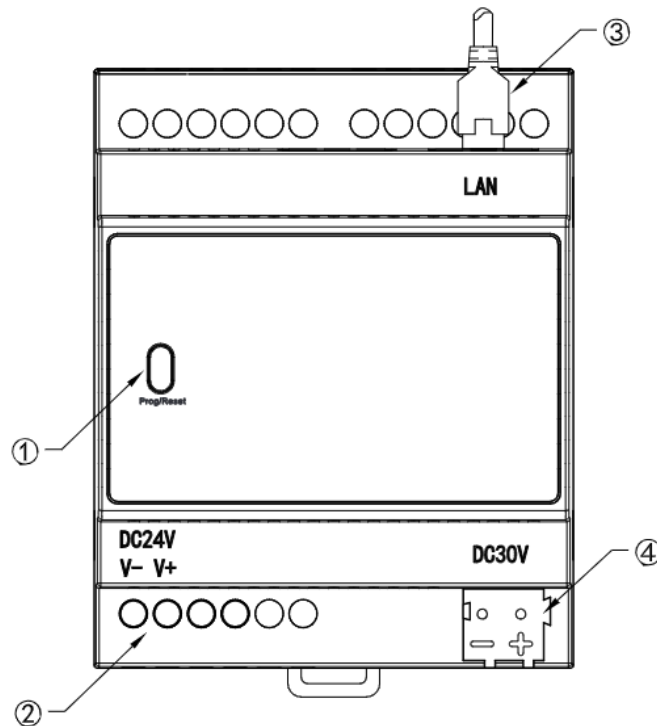
3. Label

EVG-MT01



4. Wiring Diagram

EVG-MT01



①、Programming/Reset Button: Short press to enter programming mode. Long press for 10 seconds to reset the device, restore to factory default mode.

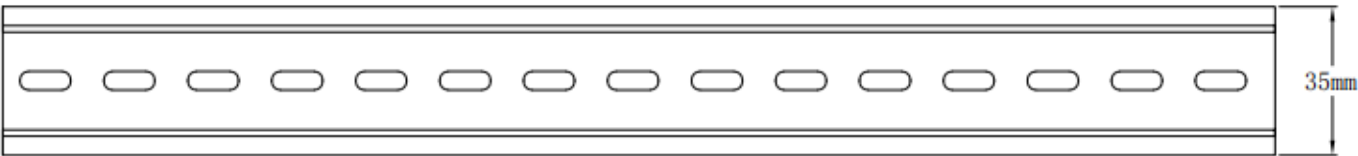
②、Auxiliary Power Supply 20-30VDC

③、LAN Interface

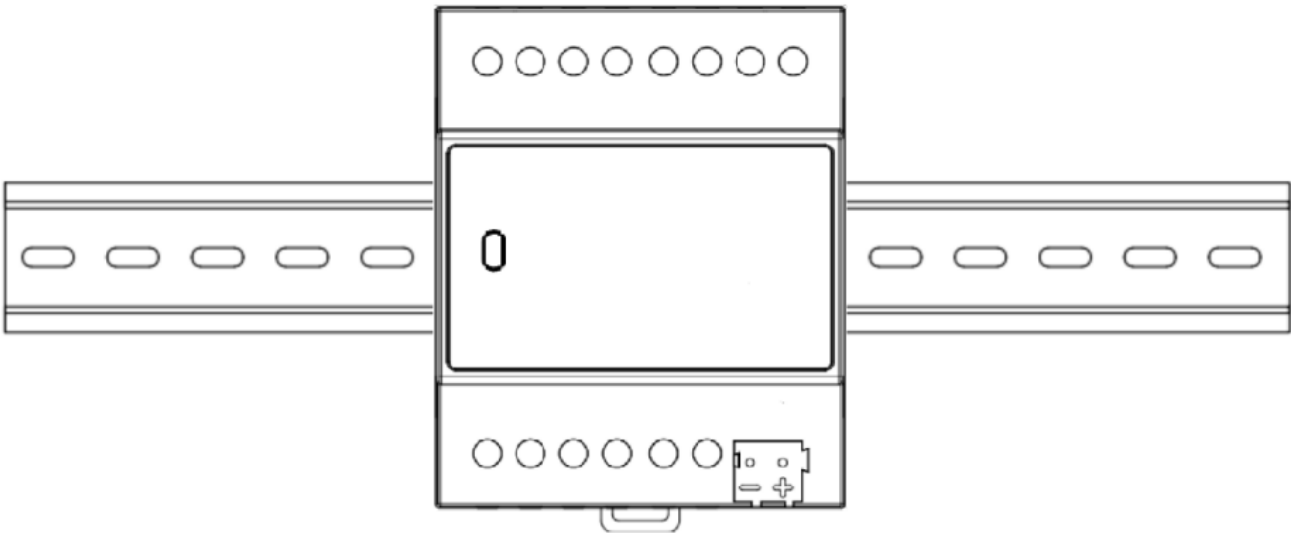
④、KNX Terminal

5. Mounting Drawing

Step 1. Secure the DIN rail.



Step 2. Press the entire module onto the rail and slide it to the desired position until it locks in place.



6. Revision History

DATE	REV	Modification details
2026-04-03	V1.0	Initial release

