



evoyo

MVSM35B-ZB.20

Blinds Motor

Datasheet

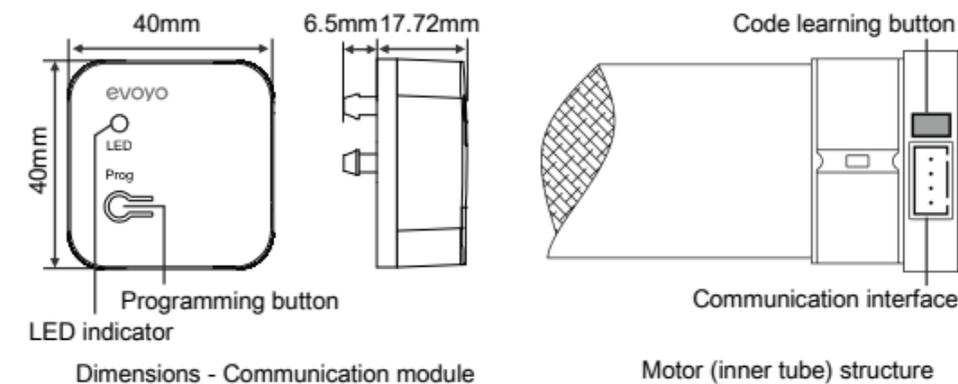
Overview

With the support of the Evoyo gateway, the Blinds Motor can control the roller blind to travel up/down, and stop through APP, smart panel, etc., and APP can also control the roller blind to travel up/down at a certain percentage position. In conjunction with other devices, intelligent linkage can be realized, giving you an evolved home.

*For more information about Evoyo products, please log on www.hdlaautomation.com or call 400-855-8535.

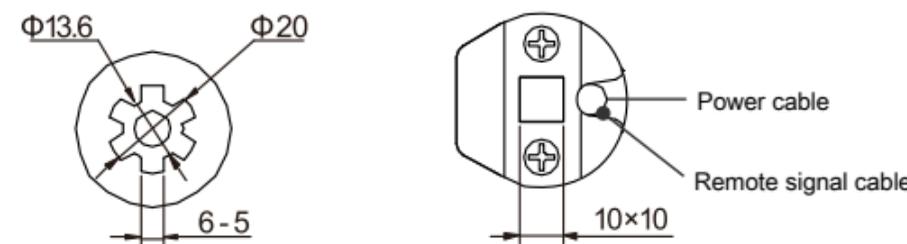
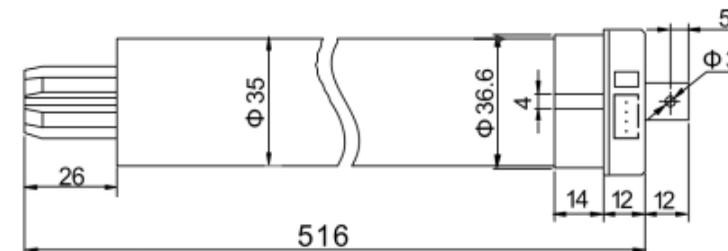


Components



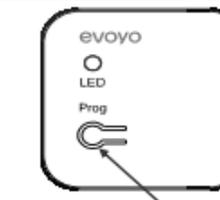
Code learning button (Motor): for learning remote control code. For detailed information, please refer to the user manual of remote controller.

Communication connector (Motor): for connecting with communication module.



Indicator and Device Status Description

Programming button operation	Indicator status	Device status
Keep pressing the button for 5s to connect the network	Green LED on	Before network connection
	Green LED flashes slowly	During network connection
	Green LED off	Network connection completed
	Green LED flashes once every 5s	After network connection, the device works normally.
Short press the button twice, and then keep pressing the button for 10s to disconnect the network	Green LED flashes quickly	During network disconnection
	Green LED on	After network disconnection
/	Red LED on for 3s then off	When the communication module is powered on and reset.
/	Red LED flashes quickly	When the communication module is being positioned via Evoyo gateway or APP.



Keep pressing the programming button for 5s to connect the network.

Installation

Please follow the instructions in this chapter to install.

Step 1. Install the mounting bracket on the motor.

Step 2. Install the communication module on the bracket.

Step 3. Fix the motor with a mounting bracket on the wall with screws.

Quick Setting

1. Search and download the Evoyo Home APP from the software application store.

2. Preparation before network connection: Power on the Blinds Motor and gateway, and make sure that the mobile phone is connected to the router.

*If you use a dual-band router, please turn off the 5GHz Wi-Fi network first.

*Make sure that the mobile phone and the gateway are in the same Wi-Fi network.

3. Add Blinds Motor:

In the Evoyo Home APP, click "My" → "Device" → select gateway (if there is only one gateway, the device is added to the gateway by default) → "+" → select the device type "Blinds Motor" → follow the prompt operation in the APP and make the Blinds Motor enter the network connection mode → click "Next" to start the network configuration.

*If the gateway has not been added, you need to add the gateway first.

*If you fail to add the Blinds Motor, please select the following operation and try to add it again in the APP:

① Move the gateway closer to the Blinds Motor, power off the Blinds Motor, and then power on again.

② Disconnect the network: short press the programming button twice and then long press button for 10s, the green LED will flash quickly then keeps on, and then disconnect the network successfully.

If you need help, please log on www.hdlautomation.com or call 400-855-8535.

Basic Parameters

Rated input voltage: 220~240VAC (50Hz)

Standby power consumption: ≤2W

Communication: Zigbee 3.0

Motor rotate torque: 3N.m

Motor rotate speed: 22rpm

Wireless transmission power: +10dbm

Wireless sensitivity: -103dbm

Indoor communication distance (barrier free): ≤30m

Working frequency: 2.4GHz

Working temperature: -5°C~45°C

Working relative humidity: ≤90%RH, no condensation

Dimensions: Φ35×528(mm)

Net weight: 1224g (Motor) + 20g (Communication module)

Housing material: Steel (Motor) + retardant-frame PC (Communication module)

Installation: Wall hanging

Insulation rating: E

Work system: S2-3min

Protection rating (Compliant with EN 60529): IP44

Notes and Safety Precautions

1. This product adopts self-lubricating design, please do not add lubricant by yourself.

2. Do not hit or drop any parts.

3. It is strictly forbidden to put any extra weight on the curtain track. Please do not climb the curtain.

4. The installation and testing for the product must be carried out by HDL Automation Co., Ltd. or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.

5. HDL will not be responsible for any consequence caused by the inexperienced or faulty installation and wiring methods, which are not in accordance with the instructions contained in this operating instruction.

6. Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.

7. Please contact our after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to this warranty.

8. This product is for indoor use only, please do not use it in a humid environment or outdoors.

9. Do not place this product near a heat source.

10. This product is only suitable for safe use in areas below 2000 meters above sea level.

Package Contents

MVSM35B-ZB.20 (Motor & communication module)*1 / Mounting bracket*1 / Datasheet*1

Technical support

E-mail: hdltickets@hdlautomation.com

Website: <https://www.hdlautomation.com>

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Specifications subject to change without notice.