

M/AG40B.1

KNX Blinds Motor 220V AC

Hardware Version: A



Datasheet

Issued: October 24, 2022

File Edition: V1.0.0



Figure 1. Blinds Motor



Figure 2. Communication Module

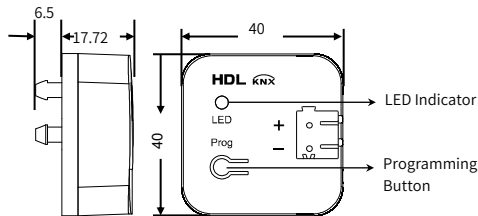


Figure 3. Dimensions - Communication Module (Unit: mm)

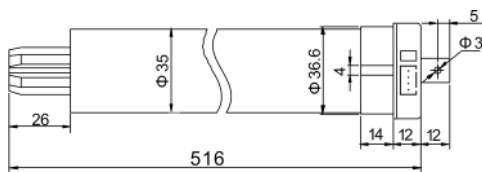


Figure 4. Dimensions - Motor (inner tube) Side View (Unit: mm)

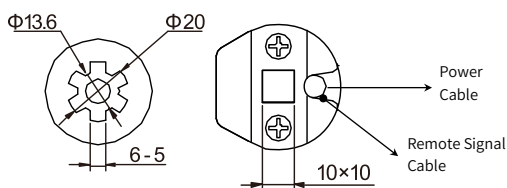


Figure 5. Dimensions - Motor (inner tube) Bottom View (Unit: mm)

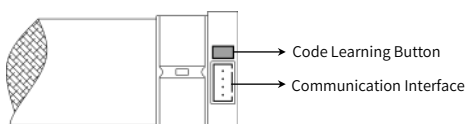


Figure 6. Motor (inner tube) Structure

## Overview

KNX Blinds Motor 220V AC (Figure 1 & 2) controls the roller blind travel up/down, travel up/down to a specified percentage position by receiving a KNX signal.

Its features include:

- Automatic travel measurement and supports limit point presetting
- Enable to control the curtain travel up/down, stop and percentage up/down, and supports status response (travel up/down, stop, percentage up/down, etc.)
- Enable short drag to start the motor
- The rotate direction of the motor can be set to forward or reverse.
- Preset position function, a total of 4 preset positions available
- Safety control: Control the curtain position according to wind, rain, frost signal, and supports the power-on status recovery after power failure.
- Auto control: Control the curtain position according to the weather status, heating, cooling signal
- Scene control function
- Forced position operation
- Power-down save function
- Overheat protection

## Components and Operation

Dimensions - Figure 3 - 5

Components - Figure 3 - 6

**Programming button / LED indicator (Communication module):**

Press the button, the indicator keeps on red, then the motor enters programming mode.

**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 KNX module, and being configured via ETS.

## Installation

1. Install the mounting bracket to the blinds motor.
2. Install the communication module to the Mounting bracket.
3. Fix the blinds motor with mounting bracket on the wall with screws.

## Important Notes

- Programming - This motor is compliant with the KNX standard and only can be configured via ETS software.
- Do NOT add lubricant to the motor.
- Please keep secure of the components, do not crash or drop any part.



## Safety Precautions

- 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.
- HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this operating instruction.
- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- 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.
- Do not put any additional weight on the curtain, nor climb the curtain.

## Package Contents

Blinds motor\*1 / Communication module\*1 / Datasheet\*1

## Technical Data

Basic Parameters	
Working voltage	21-30V DC
Working current	6mA/30V DC
Communication	KNX
Rated input voltage	AC220-240V (50Hz)
Rated input current	0.9A
Cable diameter of KNX terminal	0.6-0.8mm
Motor rotate torque	3N.m
Motor rotate speed	22rpm

External Environment	
Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

Specifications	
Dimensions	φ35×528(mm) (See Figure 3-Figure 5)
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

Approved
CE, RoHS
KNX

## KNX Cable Guide

KNX	KNX cable
-	Black
+	Red

### Technical support

E-mail: [hdltickets@hdlautomation.com](mailto:hdltickets@hdlautomation.com)

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

©Copyright by HDL Automation Co., Ltd. All rights reserved.  
Specifications subject to change without notice.