

## Parameters

Electric Parameters:	
Working voltage	DC15~30V
BUS power consumption	35mA/DC24V
Maximum current per CH	5A
Relay life time	60000 times
AC motor type	Single-phase capacitor
Environmental Conditions:	
Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Production Information :	
Dimensions	72×90×66 (mm)
Weight	250(g)
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Protection degree	IP20

## HDL Buspro Definition for Cable

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/ Orange	DC24V	Red
Brown white/ Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/ Green	DATA+	Yellow

## Installation Step

- Mount suitable fuse or MCB for AC power protection
- Labeling for AC power wires, Motor wires and HDL Buspro wire
- Mount the device on a DIN rail of DB
- Make sure the current of each motor is less than 5A
- Connect wires for motor and AC power, make sure there is no short circuit or open circuit
- Connect bus cables. Make sure the color of wire complies with the definition
- Make sure the Bus cable type is correct and has no short circuit
- Tidy all the wires. Separate Bus wire and AC power wire

## Overview



**SB-DN-2Motor** is a professional two curtains (shutters) controller. The curtain module can only control the curtain by AC motor. Each curtain can set running time for closing the AC power if the curtain limit switch is failed. Each channel has inching function, it allows users to control the motor in short time, such as changing the angle of shutter. HDL Buspro can control the curtain from iPad, iPhone local and internet.

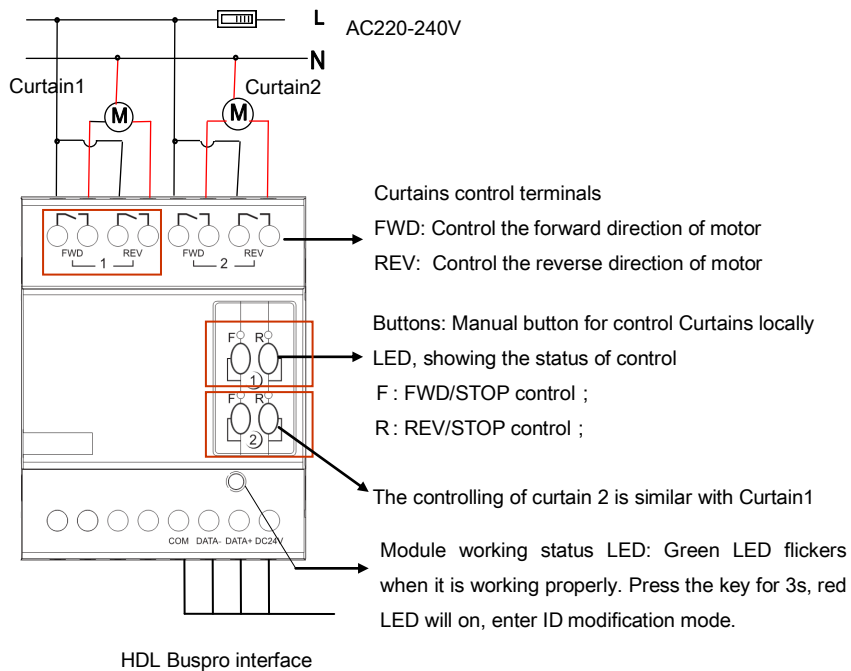
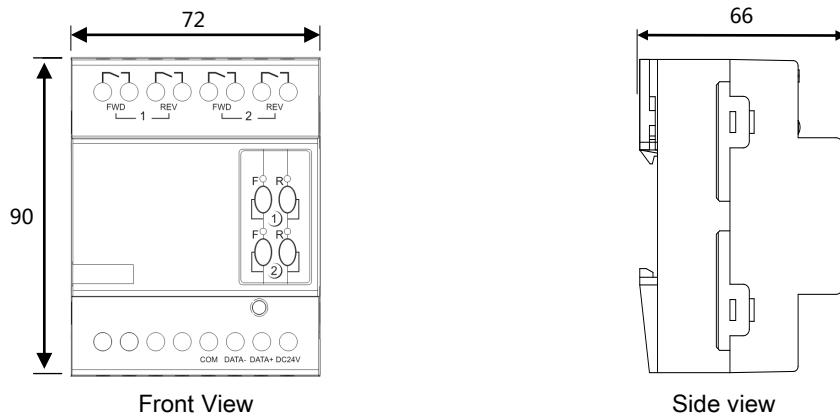
## Functions

- 2 channels for curtain control
- Hardware/software interlock protect motor
- Settable curtain running time
- Inching control for Shutter coordinate

## Important Notes

- Bus cable – CAT5E or HDL Buspro/KNX cable
- BUS Connection – Series connection (hand-in-hand)
- Check Connections – Re-tighten all connections after installation.
- Output Circuit – The load on the switched circuits must not exceed the specified capacity of 5A, these circuits should be fed via a fuse/circuit breaker.

## Dimensions and Wiring



## Safety attention



- The screw down strength should not exceed 0.4Nm
- Installation Position: Distribution box (DB )
- Do not make wrong connection on Bus interface, it will damage the Bus interface of this module
- Never let liquids get into the module, it will damage this device
- Do not get AC power into Bus wire , it will damage all devices in the system
- Avoid contact with liquids and aggressive gases

