

Description

SK-3007-05 curtain motor is designed in accordance with CCC & EN standard and manufactured under the best quality control.

The motor is Z-Wave wireless accessible and it can quickly, easily included and operated in any Z-Wave network with other Z-Wave certified devices from any other manufacturers, and it can be wireless control such as open/close window cover.

Meanwhile the curtain motor in the same network will act as repeaters regardless of the vendor in order to increase reliability of the network.



Z-Wave Parameter

- Root Device
 - Device Role Type
 - ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON
 - Device Node Type
 - ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE
 - Device Command Class
 - GENERIC_TYPE_SWITCH_MULTILEVEL(0x11)
 - SPECIFIC_TYPE_CLASS_C_MOTOR_CONTROL(0x07)
 - Support Command Class
 - COMMAND_CLASS_ZWAVEPLUS_INFO
 - COMMAND_CLASS_VERSION,
 - COMMAND_CLASS_MANUFACTURER_SPECIFIC,
 - COMMAND_CLASS_POWERLEVEL,
 - COMMAND_CLASS_ASSOCIATION,
 - COMMAND_CLASS_ASSOCIATION_GRP_INFO,
 - COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2,
 - COMMAND_CLASS_DEVICE_RESET_LOCALLY
 - COMMAND_CLASS_CONFIGURATION,
 - COMMAND_CLASS_SWITCH_BINARY,
 - COMMAND_CLASS_SWITCH_MULTILEVEL,
 - COMMAND_CLASS_SECURITY

SK-3007-05 Z-Wave Curtain Motor with external module

- Device Information
 - Manufacture ID = 0x032C
 - Production Type ID = 0x3007
 - Production ID = 0x0005

Z-Wave Network Setup

- Add to the Z-Wave network
 1. Connect power line to motor, plug power socket in 220VAC power supply, and Make sure the device is located within direct range of the Z-Wave controller.
 2. Set the controller into the inclusion/add mode (refer to controller's operating manual).
 3. Click the PB-button triple times in 1.5 second, located left side of the motor external box.
 4. Curtain motor will be detected and included in the Z-Wave network.

[Note] During inclusion, a LED will fast flash red light until inclusion done. If motor not included in any controller, a LED will slow flash red light constantly.

[Note1] In order to working properly, user should operate curtain open and close once manually after power up. If lead tail was changed or re-assembling motor, motor tail reset should be done by configuration command parameter #7 manually.

- Remove from the Z-Wave network
 1. Connect power line to motor, plug power socket in 220VAC power supply, and Make sure the device is located within direct range of the Z-Wave controller.
 2. Set the controller into the exclusion/remove mode (refer to controller's operating manual).
 3. Click the PB-button triple times in 1.5 second, located left side of the motor external box.
 4. Curtain motor will be detected and excluded from the Z-Wave network.
- Device Reset Locally
 1. Connect power line to motor, plug power socket in 220VAC power supply.
 2. Press and hold the PB-button excess 10 second.
 3. Curtain motor will be reset to factory default and clear Z-Wave included network state.

Please use this procedure only when the network primary controller is missing or otherwise inoperable.

Associations

Association allows for direct communication between Z-Wave network devices. Main controller does not take part in such communication. Using this mechanism Motor could report motor status to another Z-Wave network device during it is running or stop, e.g. a Master Controller.

The product supports 1 association groups. Group #1 support associated 1 device only.

Association Group 1 is assigned to send motor lifeline status to associated devices, including send the multilevel report frame while window cover position, send device local reset frame while set factory default manually etc.

Secure vs no-Secure add to Z-Wave Network

The motor is a security enabled Z-Wave Plus production, implements Z-Wave Application Security Layer in accordance with Z-Wave protocol. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully implemented secure functions.

Even though the functionality and support command class are same when included as secure or no-secure node. But only following command class are supported no-secure access if it was added to Z-Wave network as secure:

- COMMAND_CLASS_ZWAVEPLUS_INFO
- COMMAND_CLASS_POWERLEVEL,

Advance Configuration

The motor supports configuration command use for other proprietary system and motor advance function setting, example revert direction, setting maximum/minimum position etc. Some of configuration commands only accept setting. Corresponding setting command are similar as control action and get command will always result in return zero.

Parameter No# Hex (Dec)	Data Size (Byte)	Acceptable Set / Get	Parameter Value	Action Description
0x04 (4)	1	Get Only	0x00 ... 0xN[1]	Motor go to position, 0xN=0x00~0x63
0x06 (6)	1	Set Only	Any	Motor revert direction
0x07 (7)		Set Only	Any	Clear motor lead tail endpoint setting
0x08 (8)		Set Only	Any	Enable manual pulling function
0x09 (9)		Set Only	Any	Disable manual pulling function

[Note 1]: All Setting Command parameter value is ignoring.