

SINGLE CHANNEL CURTAIN CONTROLLER



Introduction

Single Channel Curtain Controller is a miniature Micro Module, which is designed to operate motors in AC Mains. In AC Mains Two Relay Switches enable the direction control of Motor Loads. The Device also operates as a Repeater within the Z-Wave Network to which it is associated.

Technical Specifications

The specifications and permissible maximum Load ratings are tested at +25°C.

Power Input	240VAC, 50Hz
Maximum Load per Channel @240VAC	Inductive - Max 300W/Ch
Cumulative Load - 4 Channels Muxed @240VAC	NA
Operating Temperature	-10° to +55°C
Temperature Sensing	NA
Relative Humidity	8% - 80%RH

Dimensions	49mm x 49mm x 18mm
Radio Frequency	865.2MHz (IN)
Surge Protection	12 kV
Typical Line of Sight Range	10-15m Indoor /30m Outdoor
Plastic Housing	Fire Retardant ABS
Supported Load Type	AC Motor Controlled Blinds/Curtains

Warnings & Considerations



CAUTION
READ INSTRUCTIONS IN FULL BEFORE USE
Wiring connection diagram and parameters to use are mentioned in the manual. The Manufacturer, Confiolabs will not be held responsible for any loss or damage resulting from not following the instructions of operating manual.



CAUTION
DO NOT CONNECT THE DEVICE TO LOADS EXCEEDING RECOMMENDED VALUES
Connect Loads to the module below the Load ratings to work normally. Do not connect over Load, this may lead to Module failure.



CAUTION
Follow instruction manual for circuit connection
Connections must be made according to the instructions available on operational manual, faulty connection leads to manual failure.



DANGR
DANGER OF ELECTRIC SHOCK
All works on the Device may be performed only by a trained Installers.
If the Installation done by an unauthorised Installers the Manufacturer will not be held responsible. Contact - support@confiolabs.com or call +91-9606030659 for list of authorised Installers.



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DANGER OF ELECTRIC SHOCK
Any works introducing changes into the configuration of connections or the load must be always performed with disconnected voltage. Since there are high chances of voltage occurrence at the terminals even after Device turn off.(Turn off the MCB)



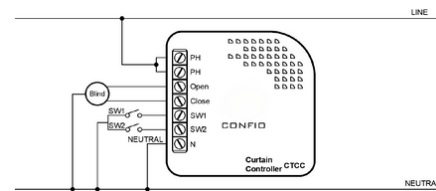
DANGR
DANGER OF ELECTRIC SHOCK
Faulty connection or use may result in fire or Electric Shock.

Safety Measures

- Before installation, make sure that the power supply mains are turned off.
- Remove the Switchboard cover frame and the Switch Frame to access the Switches.
- Select the Loads to be connected on particular terminals.
- Use appropriate connectors to avoid Short Circuit.
- Use only minimum 1.5mm² wires and a maximum of 2.5mm² wires for connections.
- This Device requires a Neutral lead to operate.

Circuit Connections

The below wiring diagrams explain the possible combinations that are available.



Follow the above circuit connection for connecting Single Channel Curtain Controller. Check the Load capacity before connecting. Loads must not exceed the max capacity mentioned in the instruction manual.

The Manufacturer, Confiolabs will not be held responsible for any loss or damage resulting from not following the instruction of Operating Manual.

Activating Confiolabs Curtain Controller

1. Installing the Device

- Make sure that the power supply mains is turned off.
 - Connect the Device following the Wiring Diagram.
 - Connect the Phase, Neutral and the Loads on Open, Close.
 - Use only Bell Switches for SW1, SW2.
- Complete all the connections and check the Pairing before sealing the Electrical Box.

2. Managing the Device through Z-Wave Network

It is recommended to place the Micro Module within 3m Line of Sight, as adding mode requires direct communication with the Controller. Move the Module near to the Primary Controller during this step, if required.

Inclusion Methods

Method 1

Press the Node ID Button (at the back of the Module), to start Pairing the device to the Gateway.

Method 2

Toggle S1 3 times within 4 seconds to start Pairing the device to the Gateway. (Sequence: ON-OFF, ON-OFF, ON-OFF)

Exclusion Methods

Method 1

Press the Node ID Button (at the back of the Module), to start Unpairing the device from the Gateway.

Method 2

Toggle S1 3 times within 4 seconds to start Unpairing the device from the Gateway. (Sequence: ON-OFF ON-OFF ON-OFF)

LED Indications

LED Indication	Status
Red Blinking	Excluded
Green Blinking	Included/ Paired
Red and Green	In Pairing Mode

Parameters

Parameter 01	Curtain Open Timer	
Range	4 Byte dec	Value duration
	1000	10 Sec
	360000	1 Hour
Default	6000-60Sec	
Description	This parameter is designed Open Curtain for specific time.	

Parameter 02	Curtain Close Timer	
Range	4 Byte dec	Value duration
	1000	10 Sec
	360000	1 Hour
Default	6000-60Sec	
Description	This parameter is designed Close Curtain for specific time.	

Resetting Device

For resetting the Micro Module, press and hold the Node ID Button behind the Module for 10 seconds. Then the Device will be restored to default.

Common Issues

Pairing not working: Confirm that the Remote Controllers and the Curtain Controller are within 3meter from each other while adding to the Gateway.

Recommendations

- If there are signs of water seeping into the Electrical Box, turn off the MCB and disconnect the power supply to avoid short circuits.
- Check the space behind the Switch for placing the Curtain.
- Turn off the MCB before installation of Curtain Module.
- Use only minimum 1.5mm² wires and a maximum of 2.5mm² wires for connections
- Strictly follow the wiring diagram for connections.
- Confirm that the open/close cables are marked correctly to fix them, if any issues arise in the motor in the future.

Important Note

- If there are signs of water seeping into the Electrical Box, turn off the MCB and disconnect the power supply to avoid short Circuits.
- Check the space behind the Switch for placing the Module.
- Turn off the MCB before the installation of Module.

Warranty

Standard warranty of 24 months from the date of supply is applicable for all product

The warranty shall not cover:

- Mechanical damages caused by impact, falling or dropping the Device or their object, unauthorized use or not observing the Operation Manual
- Damages resulting from external causes, for example, flood, storm, fire, lightning, natural disasters.
- Damages resulting from surges in the power and/or telecommunication network, improper connection to the grid in a manner inconsistent with the operating manual, or from connecting other Devices not recommended by the Manufacturer.
- Damages resulting from the use of spurious spare parts or accessories improper for given model, repairing and introducing alterations by unauthorized persons.
- Defects caused by operating inoperable devices or accessories.

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By Confio

For any technical and support queries, please contact the Manufacturer

CONFIO TECHNOLOGIES PRIVATE LIMITED
#3500/A, 80 Feet Road,
Raghuvanahalli, Bangalore - 560062
Karnataka, India

Email: support@confiolabs.com
www.confiolabs.com