

CONFIO<sup>®</sup>  
**SINGLE CHANNEL CURTAIN  
CONTROLLER**  
CTCCZW7

# 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.

<b>Power Input</b>	240VAC, 50Hz
<b>Maximum Load per Channel @240VAC</b>	Inductive - Max 300W/Ch
<b>CumulativeLoad - 4 Channel Muxed @240VAC</b>	NA
<b>Operating Temperature</b>	-10° to +55°C
<b>Temperature Sensing</b>	NA
<b>Relative Humidity</b>	8% - 80%RH
<b>Dimensions</b>	49mm x 49mm x 18mm

<b>Radio Frequency</b>	865.2MHz (IN)
<b>Surge Protection</b>	1.2kv
<b>Typical Line of Sight Range</b>	10~15m Indoor /30m Outdoor
<b>Plastic Housing</b>	Fire Retardant ABS
<b>Supported Load Type</b>	WT AC motors

## WARNINGS & CONSIDERATIONS



### CAUTION

#### READ INSTRUCTIONS IN FULL BEFORE USE

Wiring connection diagram and parameters to use are mentioned in the manual. The Manufacturer, Confio 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 overload, 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.

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## **DANGER**

### **DANGER OF ELECTRIC SHOCK**

All works on the Device may be performed only by a trained Installers. If the installation is done by an unauthorized Technician the Manufacturer will not be held responsible. Contact [support@confiolabs.com](mailto:support@confiolabs.com) or call +91-9606030659 for a list of authorized Technicians.

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## **DANGER**

### **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).

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## **DANGER**

### **DANGER OF ELECTRIC SHOCK**

Faulty connection or use may result in fire or Electric Shock.

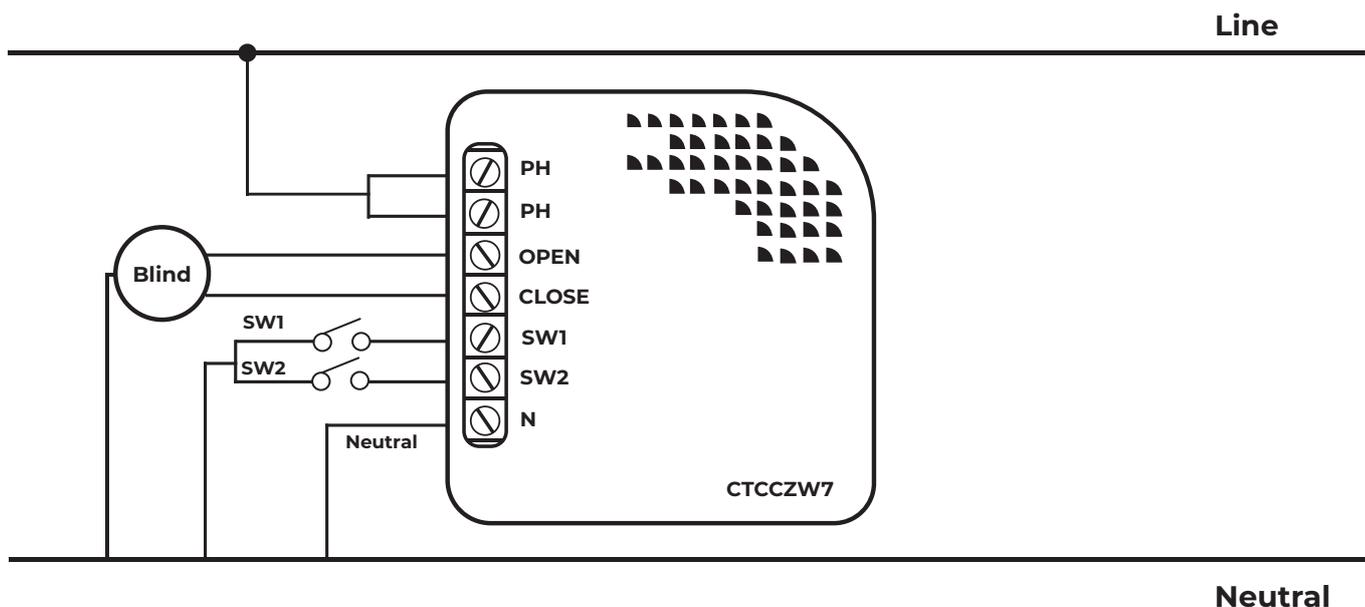
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# SAFETY MEASURES

- Before installation, make sure that the power supply mains is 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 1.5mm<sup>2</sup> wires and maximum 2.5mm<sup>2</sup> 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.

**NOTE:** The Manufacturer, Confio will not be held responsible for any loss or damage resulting from not following the instructions of the Operating Manual.

# ACTIVATING CONFIO CURTAIN CONTROLLER

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## 1. Installing the Device

- Make sure that the power supply mains is turned off.
- Connect the device to the wiring diagram.
- Connect the line, 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 3 meters 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

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### 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

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### Method 1

Press the Node ID Button (at the back of the Module), to start the Exclusion process 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

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

## PARAMETERS

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### Parameter 01

#### Range

Curtain Open Timer

4 Byte dec

Value duration

1000

10Sec

360000

1Hour

#### Default Description

6000 - 60Sec

This Parameter is designed Open Curtain for specific time

### Parameter 02

#### Range

Curtain Close Timer

4 Byte dec

Value duration

1000

10Sec

360000

1Hour

#### Default Description

6000 - 60Sec

This Parameter is designed Close Curtain for specific time

# RESETTING DEVICE

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For resetting the Micro Module, press and hold the Node ID button behind the Module for 10seconds. Then the Device will be restored to it's default settings.

# COMMON ISSUES

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**Pairing not Working:** Confirm that the Gateway and the Curtain Controller are within 3 meters from each other while adding to the Gateway.

# RECOMMENDATIONS

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- 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 1.5mm<sup>2</sup> wires and maximum 2.5mm<sup>2</sup> 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

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

# WARRANTY

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

## **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.

# MEDHA

*By Confio*

For any technical and support queries,  
please contact the Manufacturer

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