MEDHA
Your Space On Command

PRODUCT MANUAL

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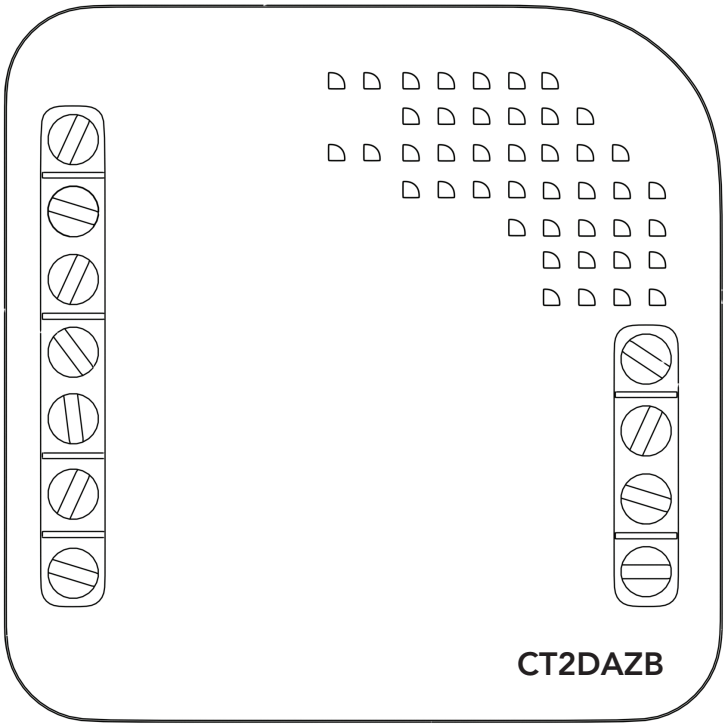

CONFIO®

2 CHANNEL DALI MODULE

CT2DAZB

SEPT 2025

INTRODUCTION

The Confio 2-Channel DALI to Zigbee is designed to operate with AC mains power. This is designed to enable seamless communication between a mobile application and DALI-compatible lighting devices

TECHNICAL INFORMATION

Power Input	110 to 240 VAC, 50/60 Hz
Operating Temperature	-10 to +55 °C
Relative Humidity	5% - 95%
Dimensions	49mm x 49mm x 18mm
RF Frequency	2.4 GHz
Power Consumption	<1watt
Surge Protection	1.2kv
Typical Line of Sight Range	upto 10m indoor / 10-20m outdoor
Plastic Housing	Fire retardant ABS
Supported Load Type	DALI supported Devices
Supported Load Type for LED indicators	110 to 240 VAC, 8A, 150W Max

WARNINGS & CONSIDERATIONS

This document includes usage details for 4 in 1 Multi-Sensor. Please refer to the following documents for details on additional operating modes. Please SCAN the QR code below for the 4 in 1 Multi-Sensor.

WARNING!

Turn OFF electrical power before installing or servicing this product. Improper use or installation can cause SERIOUS INJURY, DEATH, or LOSS/DAMAGE OF PROPERTY

WARNING!

This Device must be protected by a Circuit Breaker (20A max)

WARNING!

Ground this Device in accordance with the National Electric Code (NEC) requirements.

DO NOT rely solely upon the yoke plate's contact with a metal wall box for adequate grounding. Use the Device's ground wire to make a secure connection to the safety ground of the Electrical System

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IMPORTANT!

This Device must be installed by a licensed Electrician in accordance with all national and local electrical codes.

IMPORTANT!

If you are unsure about any part of these instructions, consult a qualified Electrician.

IMPORTANT!

Use this Device only with copper or copper-clad wire.
Do not use aluminum wiring. This product has not been approved for use with aluminum wiring.

IMPORTANT!

This product generates heat during normal operation.

IMPORTANT!

Using this product in a manner other than outlined in this document voids your warranty. Further, Confio is NOT liable for any damage incurred with the misuse of this product

SAFETY MEASURES

1. Before installation, make sure that the power supply mains is turned off.

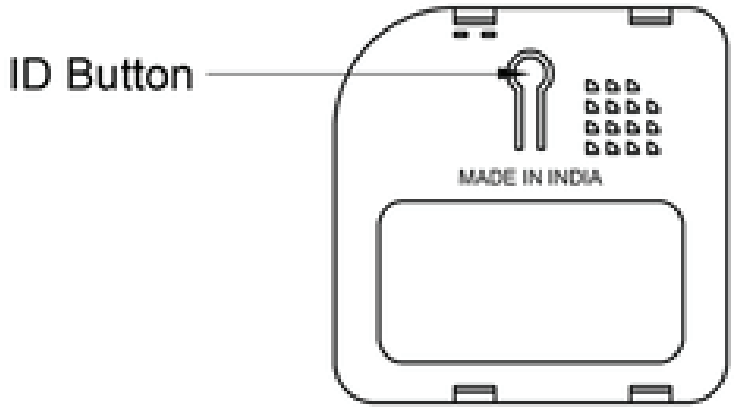
2. If multiple loads are connected to a single terminal, use appropriate connectors to avoid short circuit.

3. Use only a minimum of 1.5 sqmm wire and a maximum of 2.5 sqmm wires for connections..

4. This Device requires a Neutral connection to operate.

ID BUTTON LOCATION ON THE DEVICE

Battery compartment cover, remove the cover. You can see Prog. Button & LED indicator inside. Before the first use, please remove the insulator film



ID BUTTON FUNCTIONS & LED INDICATION

Operation	ID Button Presses	Function/Mode	LED Indications	Notes
Normal Operation	4	Joining to Zigbee Network (Started Identify process)	Both LEDs toggle on every 1 second	The Joining process will take 15 seconds
	9	Factory Reset	Both LEDs keep glowing until the factory reset completes	Parameters will be set to default state
	13	Leave Network & Reset	Red LED Toggle on every 1 second	
	15	Restart		Device power cycle

Note:

1. All settings will be reset to their factory defaults after the Device is left from Zigbee Network by the ID Button.

2. If the Device is joined to Zigbee Network Green LED toggle on every 500 milliseconds.

BUTTON BEHAVIOUR

Button Behaviours can be changed using Button Setup in Confio Puck Driver's properties.

- **Load On** – When the Switch detects voltage the corresponding load turns ON.
- **Load Off** – When the Switch detects voltage the corresponding load turns OFF.
- **Toggle Load** – When the Switch detects voltage the corresponding load turns on, when the Switch is turned off the load is turned OFF.
- **Keypad** – Adds a keypad connection to the Driver that will be triggered when the switch detects voltage.
- **Toggle load (Latch)** – When the Switch detects voltage the corresponding load is toggled.
- **Keypad (Latch)** – When the Switch detects voltage the keypad connection is triggered on, when the switch is turned off the keypad is turned off.

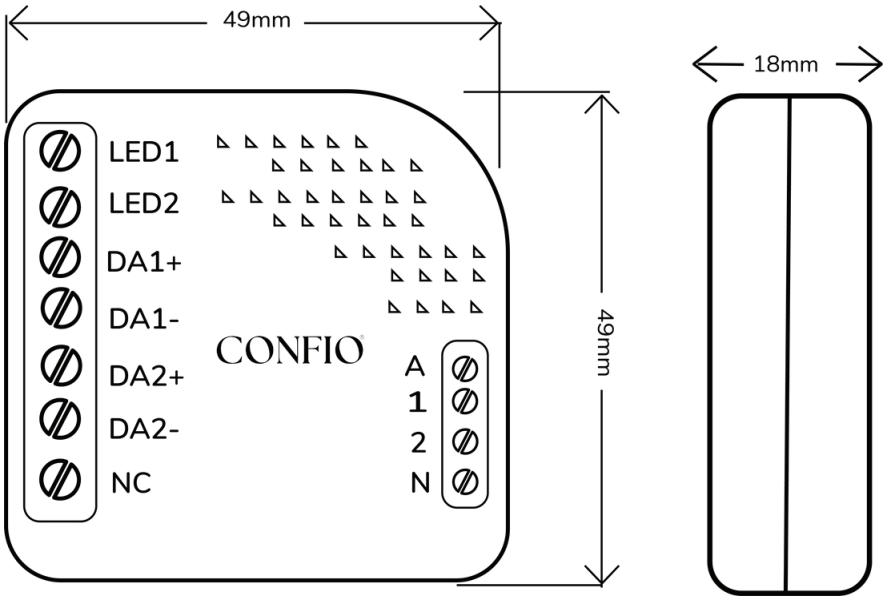
Note: Default Switch Behaviour is Toggle Load.

CONFIGURATION

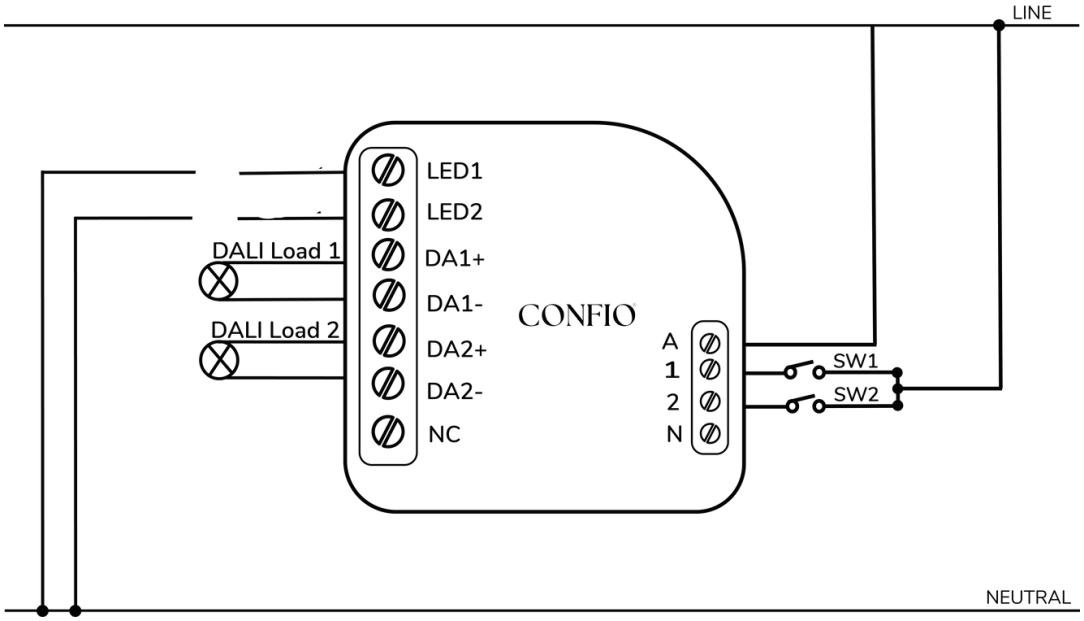
Function	ID Button	Input 1 (SW1)	Inputs 1 & 2 (SW1 & 2)
Identify	4	4	NA
ZigBee Channel	7	7	NA
Reboot Device	15	15	NA
Factory Reset	9	22	9-4-9
Leave Mesh & Reset	13	30	13-4-13

- **Identify** – Join the Device to the Zigbee Network.
- **Zigbee Channel** – Device's current Zigbee channel is identified as the number of times LEDs blinks.
- **Reboot Device** – The Device will be rebooted and the relays will return to their previous state.
- **Factory Reset** – All Device application parameters will be reset to the factory defaults, except Zigbee Network parameters. The Device will remain connected to the Zigbee Network.
- **Leave Mesh and Reset** – All Device parameters will be reset to the factory defaults including Zigbee Network parameters. The Device will be removed from the Zigbee Network.

DEVICE DIMENSIONS



WIRING DIAGRAM



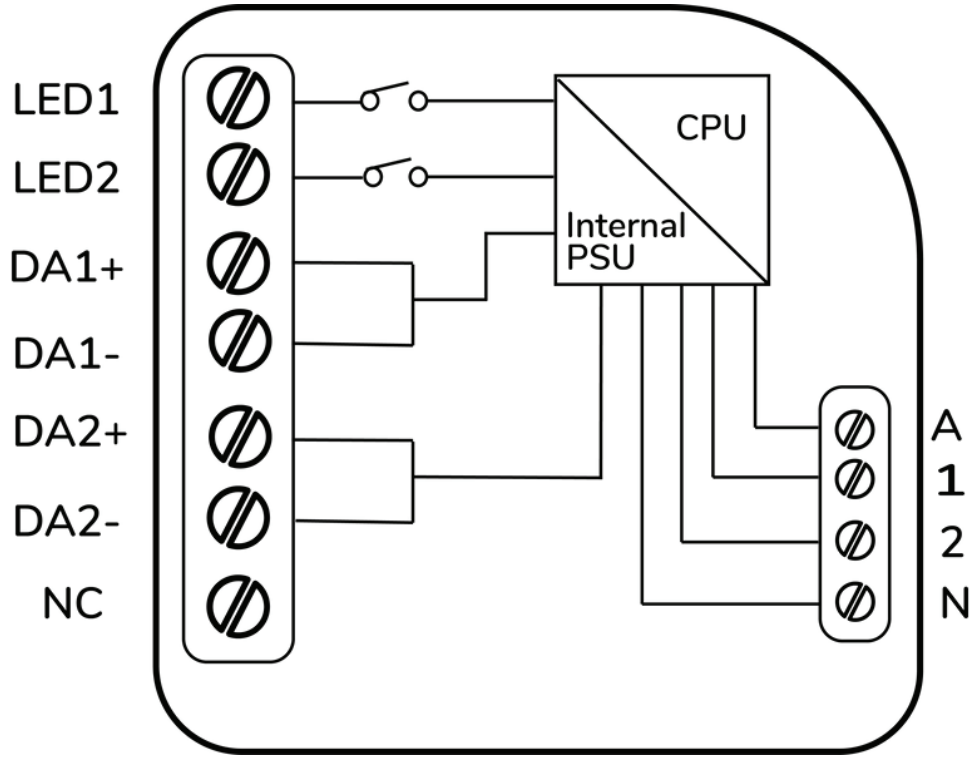
Note: Power Input is 110 to 240 VAC, 50/60 H

IMPORTANT INSTRUCTIONS

Wear standard personal protection equipment to give protection to the installer.

- Position the antenna far away from metal elements to avoid interference.
- DO NOT cut or shorten the antenna, as its length is matched to the band in which the system operates.
- DO NOT over-tighten the terminal block. It can cause serious malfunction after installation.

INTERNAL BLOCK DIAGRAM



TROUBLE SHOOTING

1.If the load does not turn ON/OFF:

- Ensure that the circuit breaker is not turned off or tripped.
- Ensure that the load is not burned out and is screwed in properly.
- Ensure that the Device is in working condition. (Red/Green LED blinks)
- Check for proper wiring (see “Wiring Diagrams”).

2. If the Switches connected to the input contacts do not operate the load, check for proper wiring (see “Wiring Diagrams”).

3.If the device is not identifying to the Zigbee Network:

- Confirm that the Control4 Controller and the Device are within the 10m distance while adding to the Zigbee Network.

RECOMMENDATIONS

For connecting multiple loads on a single device, ask the electrician to calculate the total load and confirm that it does not exceed the ratings mentioned under the Technical Specification section.

- Check the space behind the Switch Box for placing the Device.
- Turn off the MCB before the installation of Puck Module.
- Use only minimum 1.5sqmm wires and maximum 2.5sqmm wires for connections.
- Strictly follow the wiring diagram for connections.
- If there are signs of water seeping into the Switch Box, disconnect the power supply to avoid short circuits

WARRANTY

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

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The warranty SHALL NOT cover below conditions:

- Mechanical damage caused by impact, falling, or dropping the device, unauthorized use, or use in a manner inconsistent with the usage defined in the Operating Manual.

- Damage resulting from external causes, for example - floods, storms, fires, lightning, and any other natural disasters.

- Damage 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.

- Damage resulting from the use of spurious spare parts or accessories improper for the given model, repairing and introducing alterations by unauthorized persons.

MEDHA

By Confio

For any technical and support queries,
please contact the Manufacturer

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