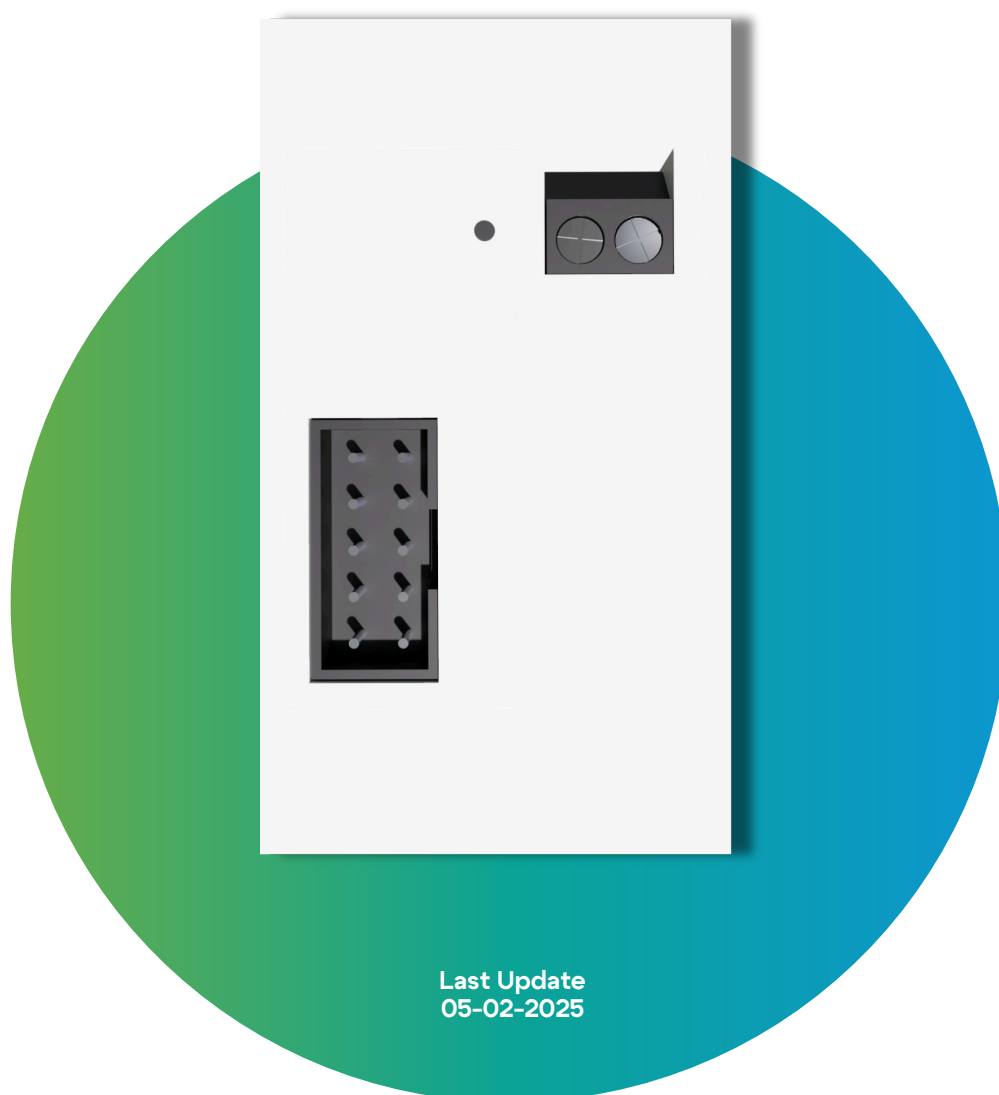




**Smart Node**  
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## Datasheet

# DALI Touch Module DTM.1

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## Product Info

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**Product Name:** DALI Touch Module

**Model Number:** DTM.1

**Description:** The DALI Touch panel is a multifunctional DALI control unit with up to 8 freely configurable switches. Touch module can easily flush mount and gets power supply directly from DALI bus. Using the Touch IR Remote user can assign the groups, scenes, or individual lights to the switches on the touch panel. Touch Panel's color and material (listed in specifications) can be customized according to user preferences.

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## Features

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- Capacitive DALI-2 compliant Touch panel with 8 touch-sensitive fields with unique functionalities to control light.
- Suitable for integration and in combination with DALI-2 compliant central control units.
- Multiple touch modules can be install on same DALI-line.
- Latest DALI standard protocol IEC62386.
- Supports dimming and tuning functions.
- Supports functions for group control, scene selection, individual light control, broadcasting (all ON or all OFF).

## Specifications

### Product Technical Details:-

<b>Supply</b>	via DALI-line
<b>Operating voltages</b>	16V
<b>Current Consumption</b>	17.5mA-22.5mA
<b>Mounting</b>	Indian standard flush mount
<b>Dimension(l x b)</b>	48mm x 39mm
<b>Weight</b>	29g
<b>Warranty</b>	5 years

### Environment Information:-

<b>Operating/ Storage Temperature</b>	-20°C to +50°C
<b>Humidity</b>	Up to 90% RH, non-condensing

### Touch Interface Details:-

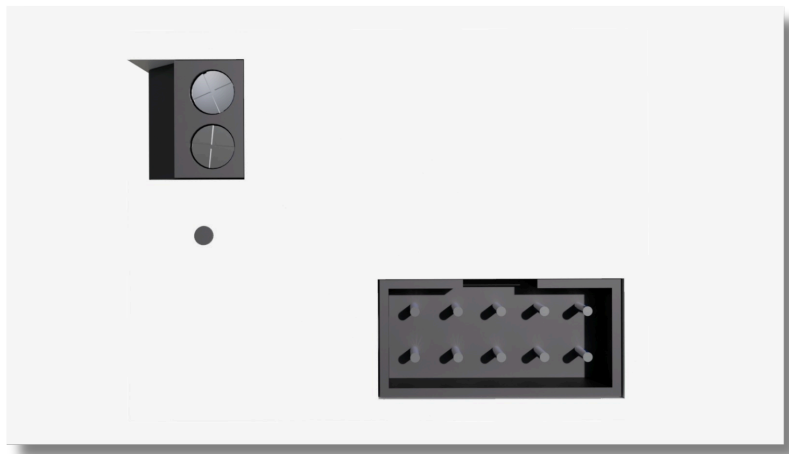
<b>Contact type</b>	Capacitive
<b>Function</b>	Dimming, Tuning and Switching
<b>Response time</b>	<50ms for touch register
<b>Durability</b>	up to 5 millions touch operations per point
<b>Mode of Operation</b>	Physical
<b>Shockproof</b>	Yes
<b>Touch Splash Resistance</b>	Yes
<b>Remote technology</b>	IR
<b>Remote control working range</b>	8 Meter
<b>Materials</b>	Acrylic, Glass, Wood, Marble
<b>Color</b>	Black, White, Golden Grey, Silver Grey and other customized.

## Installation

1. The DALI Touch module connects directly to the DALI-line.
2. Connect the Dali Touch module and Touch Panel with the touch connector wire.
3. The DALI Touch can be mounted on standard gang box.

## Dimension

48 mm



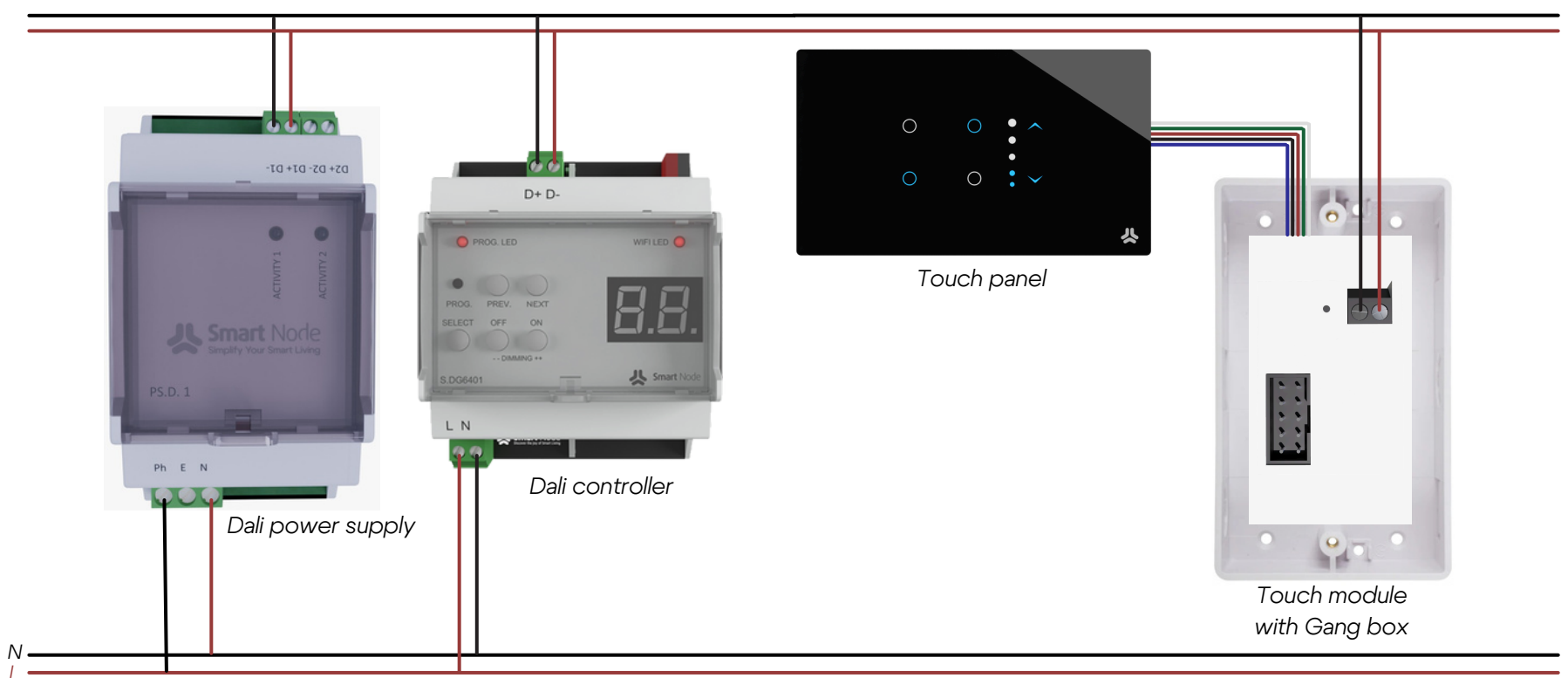
Front View



39 mm

Sideview

## Wiring



## Safety Information:-

- Installation by licensed electrician only.
- Turn off electrical supply before installation.
- No user-serviceable parts; servicing voids warranty.
- DALI is LV, not SELV.
- Leave this manual with the building owner after installation.

## Configuration

To configure DALI lights on Touch Panel using Touch IR remote.






- Long press a button (Red, Green, Yellow, Blue, or F) on the IR remote for 15 seconds to assign scenes, groups, individual lights, or broadcasting (all ON or all OFF) to a switch on the Touch Panel.

### Note:

- **By default, dimming is stored with long press on Touch Panel.**
- **To applying tuning to any switch, repeat the same steps as you did when assigning the function. Tuning will be stored on that switch. (Tuning and Dimming won't work simultaneously)**

## Touch IR Remote layout



	Individual Light
	Groups Lights
	Scene Lights
	Broadcast
	Factory reset

## Example Configurations

### **Assigning group 8 to the 2nd Switch:**

1. Long press the green button on Touch IR Remote, Touch Panel will start blinking.
2. Press the 2nd button on the Touch IR Remote, only 2nd switch on the Touch Panel will blink.
3. Within 3 sec, press the “8” button to assign group 8 to the 2nd switch.

### **Assigning Individual Light to the 1st Switch:**

1. Long press the red button on Touch IR Remote, Touch Panel will start blinking
2. Press the 1st button on Touch IR Remote, only 1st switch on the touch Panel will blink.
3. Within 3 sec, press the “12” button to assign 12th light to the 1st switch.

### **Assigning scene 2 to the 3rd Switch:**

1. Long press the yellow button on Touch IR Remote, Touch Panel will start blinking.
2. Press 3rd button on the Touch IR Remote, only 3rd switch on the the Touch Panel will blink.
3. Within 3 sec, press the “2” button to assign scene 2 to the 3rd switch of panel.

## **Assigning broadcast(all on and all off) to the 4th Switch:**

1. Long press the blue button on the Touch IR Remote, Touch panel will start blinking.
2. Press 4th button on the Touch IR Remote, only 4th switch on the Touch Panel will blink.
3. The Broadcast(all on and all off) will be assigned to the 4th switch.

## **Factory reset:**

1. Long press the “F” button on Touch IR Remote.
2. Touch Panel will blink three times to indicate that the factory reset has been completed, removing all stored settings.