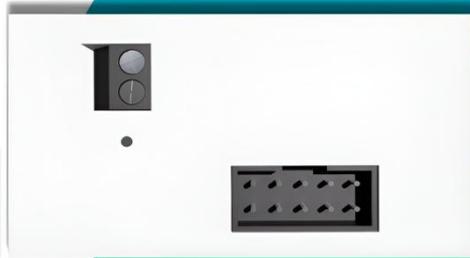


## **DALI TOUCH MODULE**

**DTM.1**



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### Quick Links

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## Product Description

### **Product Overview :-**

**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.

### **Product Features :-**

- 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.
- 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).

## Technical Details

### Technical Specification:-

Supply	via DALI-line
Operating voltages	16V
Max. current consumption	30 mA
Mounting	Indian standard flush mount
Dimension(l x b)	48mm x 39mm
Weight	29g
Operating/ Storage Temperature	-20°C to +50°C
Humidity	Up to 90% RH, non-condensing
Warranty	5 years

### Touch Interface Details:-

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

## Installation

- The DALI Touch can be mounted on standard gang box.
- Connect the D+ and D- bus wires to their corresponding D+ and D- terminals on the touch module.
- Connect the Dali Touch module and Touch Panel with the touch connector wire.

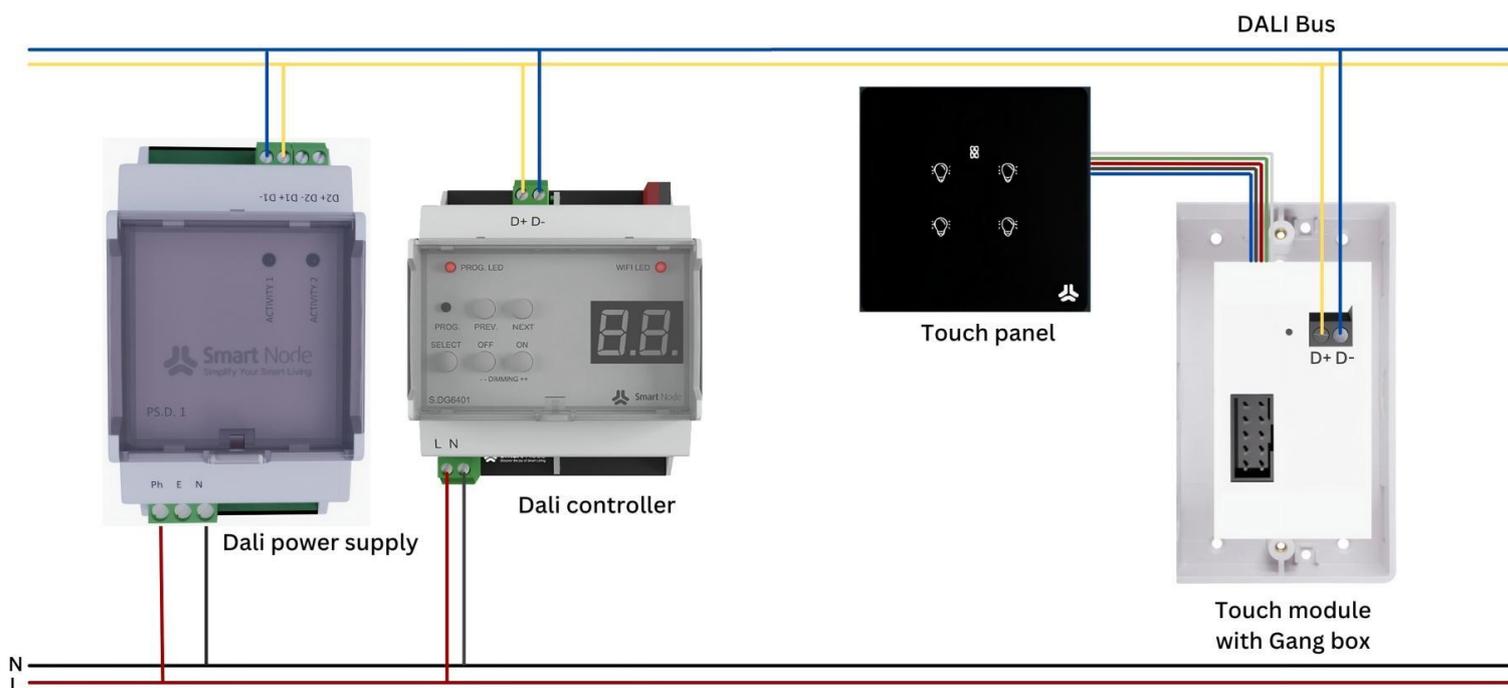
### **Safety & Warnings:-**

- Installation by licensed electrician only.
- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
- No user-serviceable parts; servicing voids warranty

### **Dimensions:-**



## Wiring Diagram:-



## Maximum Number of Touch Modules Supported in DALI Bus:-

To ensure reliable operation within DALI standards, total current consumption on the bus must not exceed 200 mA.

### Example Calculation:

Module	Max. Current	Connected Drivers (2mA each) in DALI Bus	Remaining current for Modules	Max. Modules
Touch Module	30 mA	$50 \times 2 \text{ mA} = 100 \text{ mA}$	$200 \text{ mA} - 100 \text{ mA} = 100 \text{ mA}$	$100 \div 30 = 3$

In this case, maximum 3 touch module can be connected to the DALI bus without exceeding the standard bus current limit of 200 mA.

## Configuration:-

1. To configure DALI lights on Touch Panel using Touch IR remote.
2. 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 2<sup>nd</sup> Switch:

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

### Assigning Individual Light to the 1<sup>st</sup> Switch:

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

### Assigning scene 2 to the 3<sup>rd</sup> Switch:

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

### Assigning broadcast(all on and all off) to the 4<sup>th</sup> Switch:

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