



OSRAM Tunable White Wallstation Wiring and installation manual

Overview

The OSRAM Tunable White Wallstation provides quick and accurate color temperature and brightness control when used in conjunction with an OSRAM Tunable White LED Driver (58287). The wallstation also provides freedom to adjust the color temperature of the light engine in the range of 2700K to 6500K. It comes with three preset scenes which are user programmable. User can control the room ambiance using these preset buttons. Instructions to program the preset scenes can be found on page 8 of this manual. It is powered by the DALI power pack (58290).

Wallstation

NAED**Ordering Code**

58289

TW-Wall-Station

Important Safeguards



When using electrical equipment, basic safety precautions should always be followed including the following:

- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by OSRAM as it may cause an unsafe condition.
- Do not use this equipment for other than the intended use.

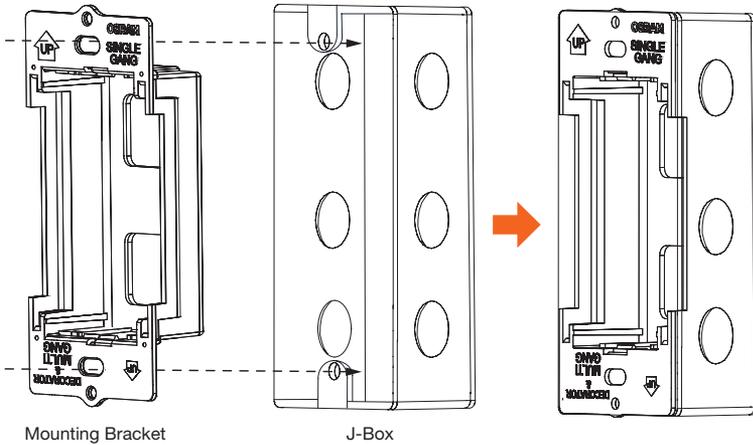


SAVE THESE INSTRUCTIONS

Wallstation Installation

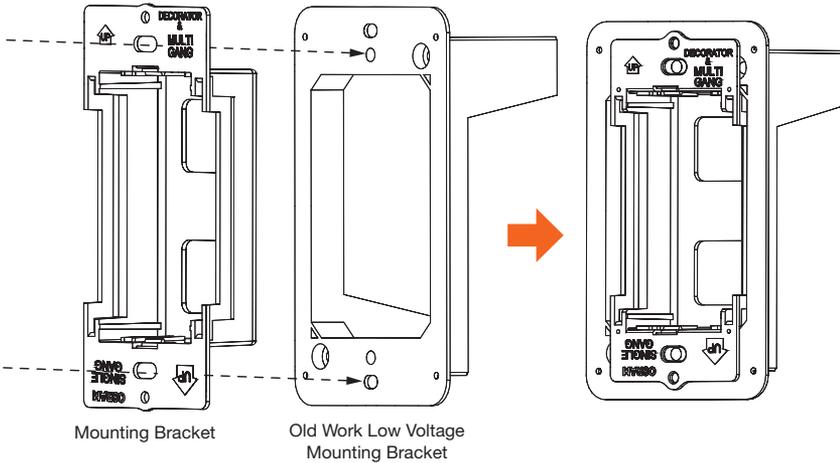
Electrical Metal Device Box:

Install the mounting bracket using the supplied screws. Ensure that the OSRAM logo and SINGLE GANG labels are facing up.



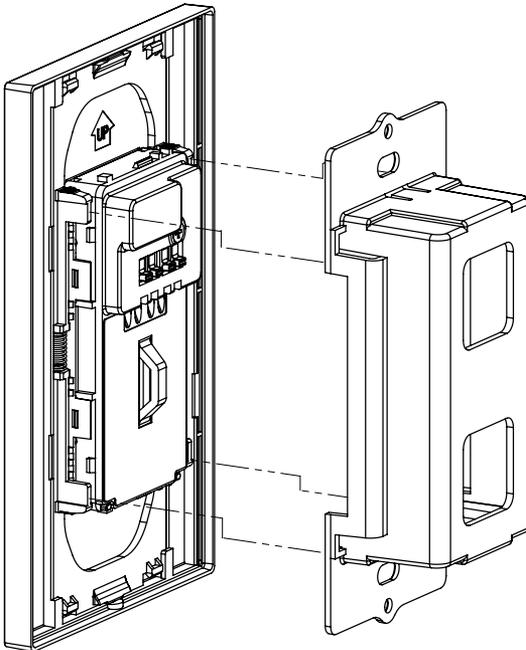
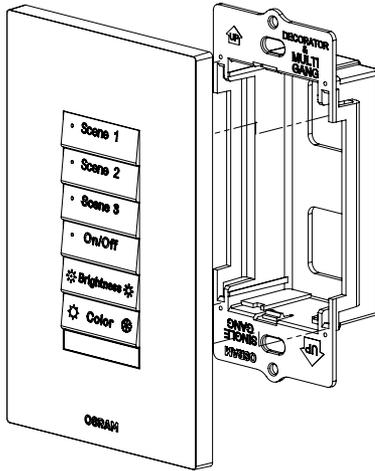
Low Voltage Device Box:

To ensure that the wall plate is flush to the wall surface, the mounting bracket should be installed in MULTI GANG orientation with Low Voltage Device Box.



Wallstation Installation (continued)

Place the wallstation assembly into the mounting plate and push gently until 'clicks' are heard. This confirms that the pieces are secured.

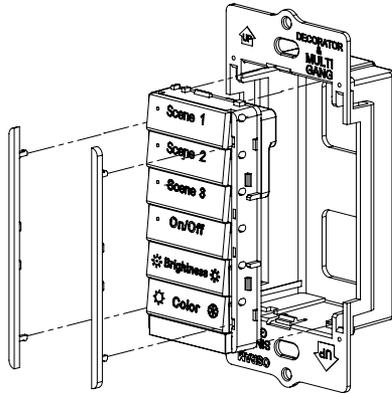


Decorator Plate Installation

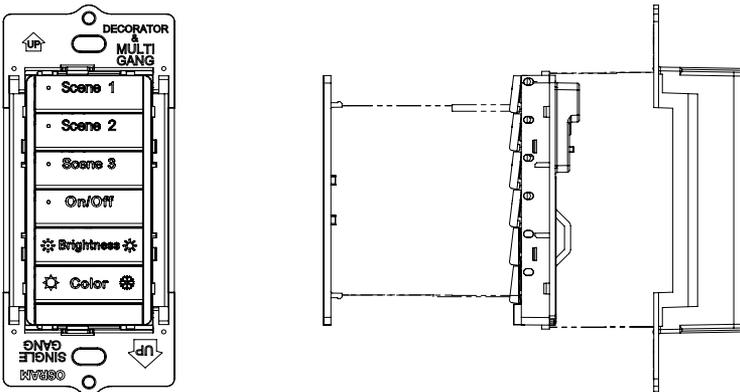
The tunable white wallstation can also be installed with an off-the-shelf decorator-style wall plate. Multi-gang wallstation installations require multi-gang decorator wall plates.

Remove the button assembly from the OSRAM wall plate. This can be achieved by pressing the wall plate with your thumbs near the button assembly while grasping the OSRAM Wall Plate.

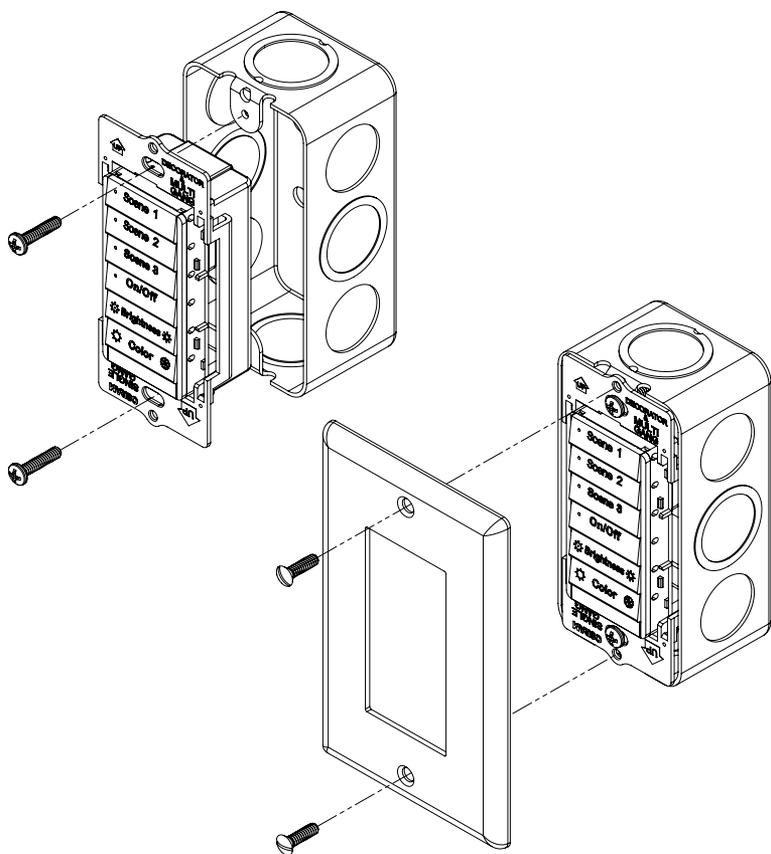
Install the supplied wall strips to the button assembly until they snap in.



Orient the mounting bracket such that the DECORATOR and MULTI GANG labels are facing up. Using MULTI GANG orientation with decorator plate ensures that the wallstation sinks deep enough into the wall. This allows the decorator plate to be flush to the wall surface. Insert the wallstation button assembly into the mounting plate until 'clicks' are heard. Clicks confirm that the pieces are secured.



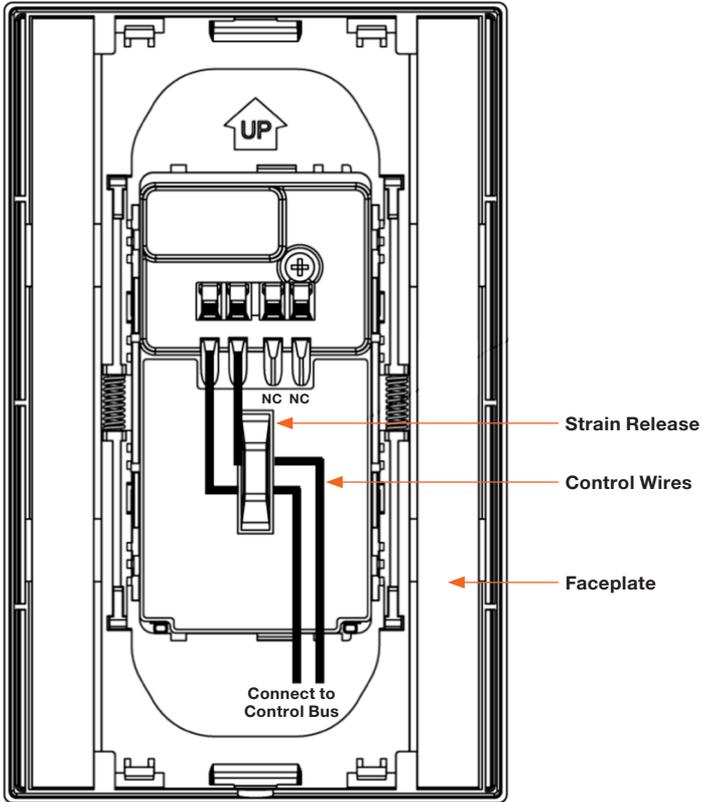
Install the mounting bracket using the supplied screws. Install the decorator plate using screws supplied with the decorator plate.



Wiring

Control wires should be inserted into the left two push-in connectors on the back of the wallstation. Power to the wallstation and communication to and from the wallstation is achieved using these two wires only. Right two ports are dummy and should not be used.

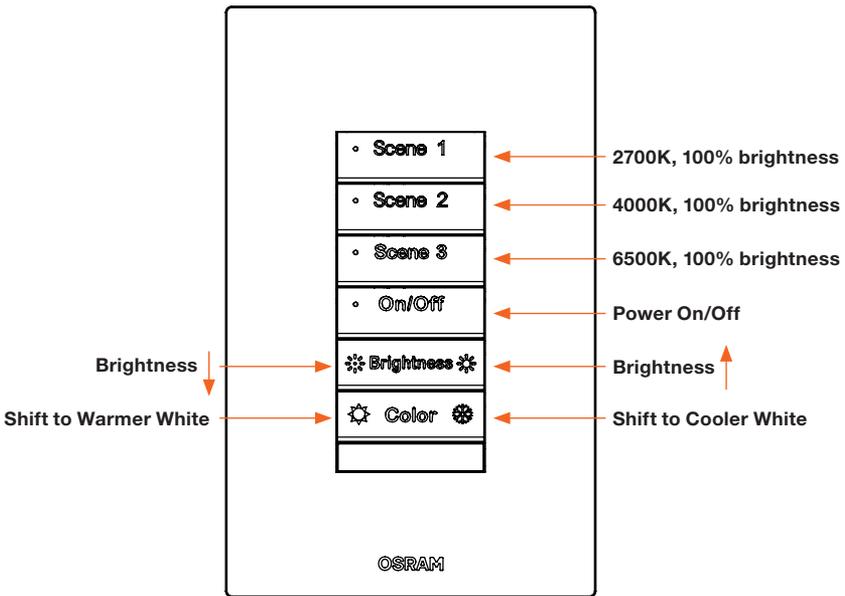
AWG 18 is recommended.



Please refer to LMS168 on how to use the wallstation in a Tunable White application.

Wallstation Feature Description

The wallstation when used in an application can recall 3 preset scenes. However, these 3 scenes are customizable based on the user's CCT and brightness preference. The factory default and custom scenes are stored in the LED driver. The following figure shows the behavior of different buttons when in the factory default mode. To save a custom scene setting, obtain the desired brightness and color level using the "Brightness" and "Color" button respectively. After desired level is achieved, long press any Scene button for 6 seconds to program. The LED indicator will flash 5 times and then settle indicating that the setting has been saved.



Installation Notes

The Wallstation is to be installed in dry, indoor locations ONLY. Do not install the Wallstation in damp locations. Damp locations are defined as: interior locations subject to moderate degrees of moisture, such as basements, barns, cold-storage warehouses, as well as partially protected locations under canopies, marquees and open roofed porches.

Troubleshooting

There are no user-serviceable parts inside the Wallstation. Please return the device to OSRAM if service is required.

Regulatory Approvals

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

OSRAM SYLVANIA Inc.
200 Ballardvale Street
Wilmington, MA 01887 USA
888-531-7573
www.osram.us/ds

OSRAM is a registered trademark of OSRAM GmbH.
Specifications subject to change without notice.

LMS163 9-18

© 2018 OSRAM SYLVANIA Inc.

The OSRAM logo is displayed in a bold, orange, sans-serif font.