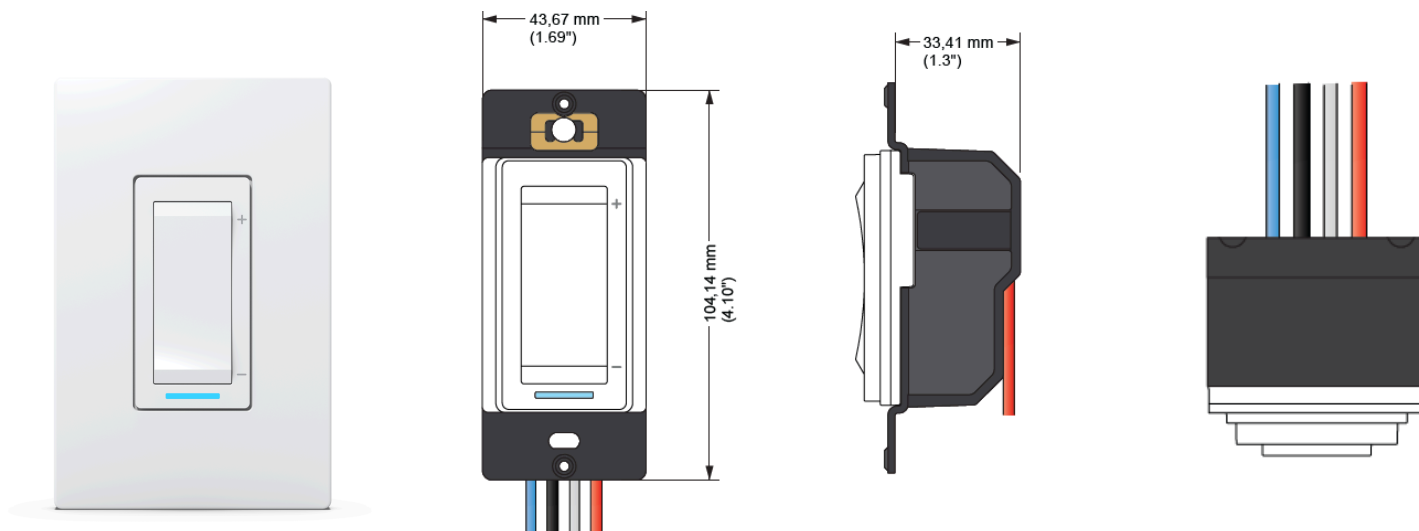


Smart adaptive phase dimmer

Zigbee 3.0

DM2550ZB

Compliant with ANSI/UL Std. 1472
Certified under CAN/CSA Std. C22.2 No184.1

Technical specifications

Type	- Smart adaptive phase dimmer - MOSFET switching
Color	White
Communication	- Protocol: Zigbee 3.0 - Frequency: 2.4 GHz - Transmission power: +20 dBm - Receiver sensitivity: -108 dBm - Encryption key: AES-128
Transmitter module	- IC: 22394-ZBM1501 - FCC ID: 2AK2T-ZBM1501
Power supply	120 Vac, 60 Hz

Compatibilities

- Dimmable light-emitting diode (LED)
- Incandescent lighting
- Halogen lighting
- Electronic low voltage (ELV)

Maximum load

- 150 W: Dimmable LED
- 600 W: Incandescent, halogen (single installation)
- 500 W: Incandescent, halogen (group installation – 2 units)
- 400 W: Incandescent, halogen (group installation – 3 units)

Direct and reverse phase dimming

- Dimmable light-emitting diode (LED)
 - Can be controlled by forward or reverse phase dimmers. In general, performance is better with reverse phase due to the characteristics of LED drivers.
- Incandescent/halogen lighting
 - Can be controlled by direct or reverse phase dimmers
- Electronic low-voltage transformer (ELV)
 - Can only be controlled by reverse-phase dimmers due to the characteristics of electronic transformers, for which the forward phase could result in poor performance.

Temperature ranges

- Operating: 0 °C to 40 °C (32 °F to 104 °F)
- Storage: -20 °C to 50 °C (-4 °F to 122 °F)

Installation

- Requires a US wall box with a depth of 3 ½ in. (89 mm) recommended, 2 ¼ in. (57 mm) minimum depth.
- Requires a neutral wire.
- Simple installation (3 or 4 wires).
- Single-pole application, 3-way compatible with switches only.
- Standard Decora wall plate not included.
- Wire length: 130 mm.

Specifications of supplied connectors

- Stripping length: 16 mm
- Wires: 22-10 AWG, Cu
- Combinations: Max. 2 #12 & 2 #14, Min. 3 #20 Sol.

Device operation

- Press the top button once to turn on the device.
- Press and hold the top button to increase the intensity.
- Press the top button twice to turn on the light at maximum intensity.
- Press the bottom button once to turn off the device.
- Press and hold the bottom button to decrease the intensity.

Features

- Equipped with a timer to automatically turn off the lighting after the selected time*
- Lockable manual control*

- Customization of the minimum intensity level to obtain the right lighting quickly*
- Customization of the color and intensity of the LED on the product. Available colors: blue, amber, fuchsia, lime, pearl*
- Configured in reverse phase by default to ensure greater compatibility with most bulbs

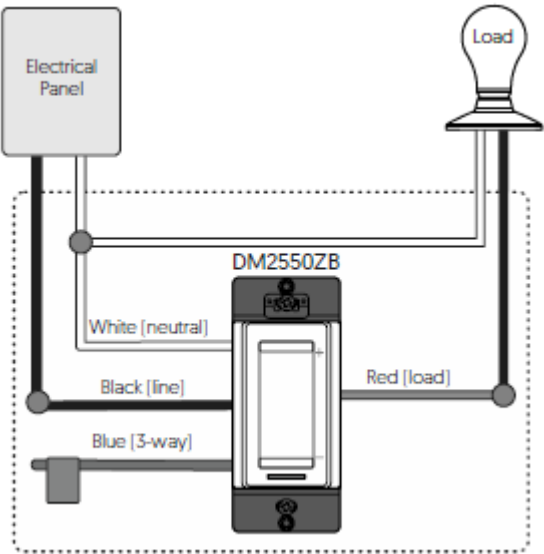
Warranty

- 3 years

* These features are available in the Sinopé app and Sinopé Smart Systems platform and require the use of the GT130 gateway (not included).

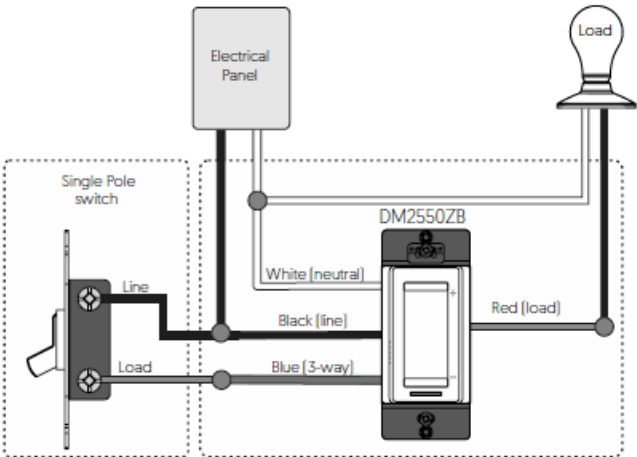
Installation diagrams

☐ Single-pole installation diagram



Quantity:

☐ 3-way installation



Quantity:

Model

No. product	Description	Volts	Hz	Qty
DM2550ZB	Smart adaptive phase dimmer - Zigbee	120	60	

Specifications are subject to change without notice

The signature certifies that the installation complies with the above installation diagrams.			
	Designation	Profession	Signature
Project's name:			
Address:			
Promotor:			
Builder:			
Consulting engineer:			
Contractor #1:			
Contractor #2:			
Contractor #3:			
Date:			