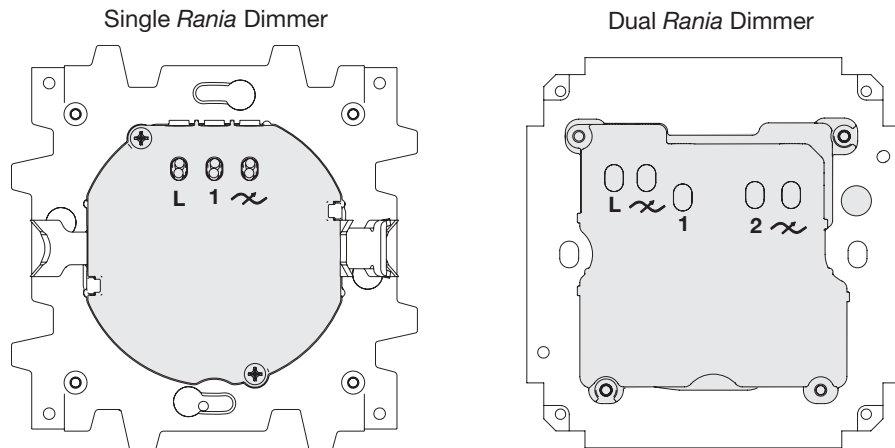


Rania® Wiring Solutions For Home Applications

It is possible to wire both the Single and the Dual *Rania* Dimmer in many different configurations. The following pages will show some of the most common situations you may come across in your home and how your *Rania* Dimmers should be wired for optimum performance and reliability.



Installing Single *Rania* Dimmers:

Single Dimmer(s) with Accessories

One 2-Way Circuit (A Single Dimmer with a Single Accessory: A or B).....	2
One 3-Way Circuit (A Single Dimmer with two Single Accessories: C , D or E)	3
Two 2-Way Circuits (Two Single Dimmers with one Dual Accessory: F or G).....	4

Single Dimmer(s) with Switches:

One 2-Way Circuit (A Single Dimmer with a Single Switch: H or I).....	5
One 3-Way Circuit (A Single Dimmer with two Single Switches: J or K)	6
Two 2-Way Circuits (Two Dimmers with one Dual Switch: L)	6

Installing Dual *Rania* Dimmers:

Dual Dimmer with Accessories

Two 2-Way Circuits (A Dual Dimmer with a Dual Accessory: M or N).....	7
Two 3-Way Circuits (A Dual Dimmer with two Dual Accessories: O , P or Q)	8
Two 2-Way Circuits (A Dual Dimmer with two Single Accessories: R or S).....	9

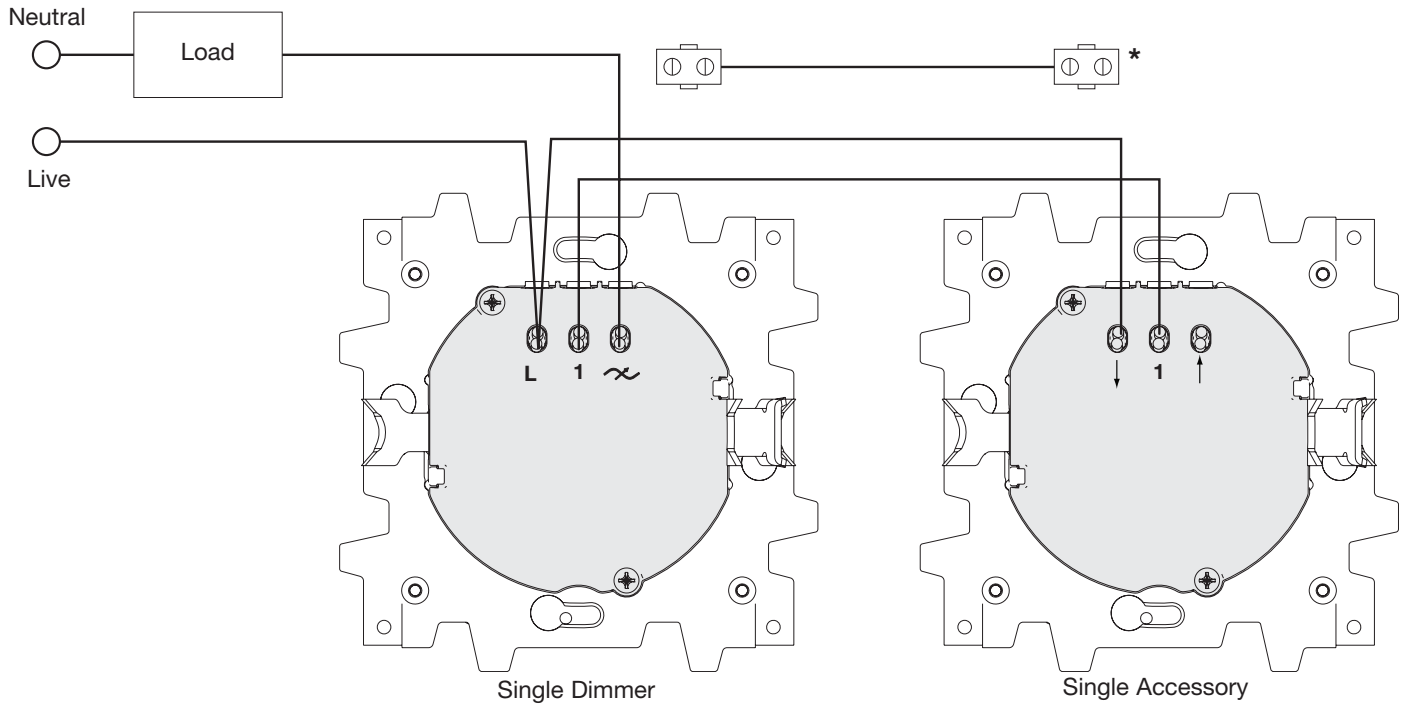
Dual Dimmer with Switches:

Two 2-Way Circuits (A Dual Dimmer with a Dual Switch: T or U).....	10
Two 3-Way Circuits (A Dual Dimmer with two Dual Switches: V)	11

Changing *Rania* Settings

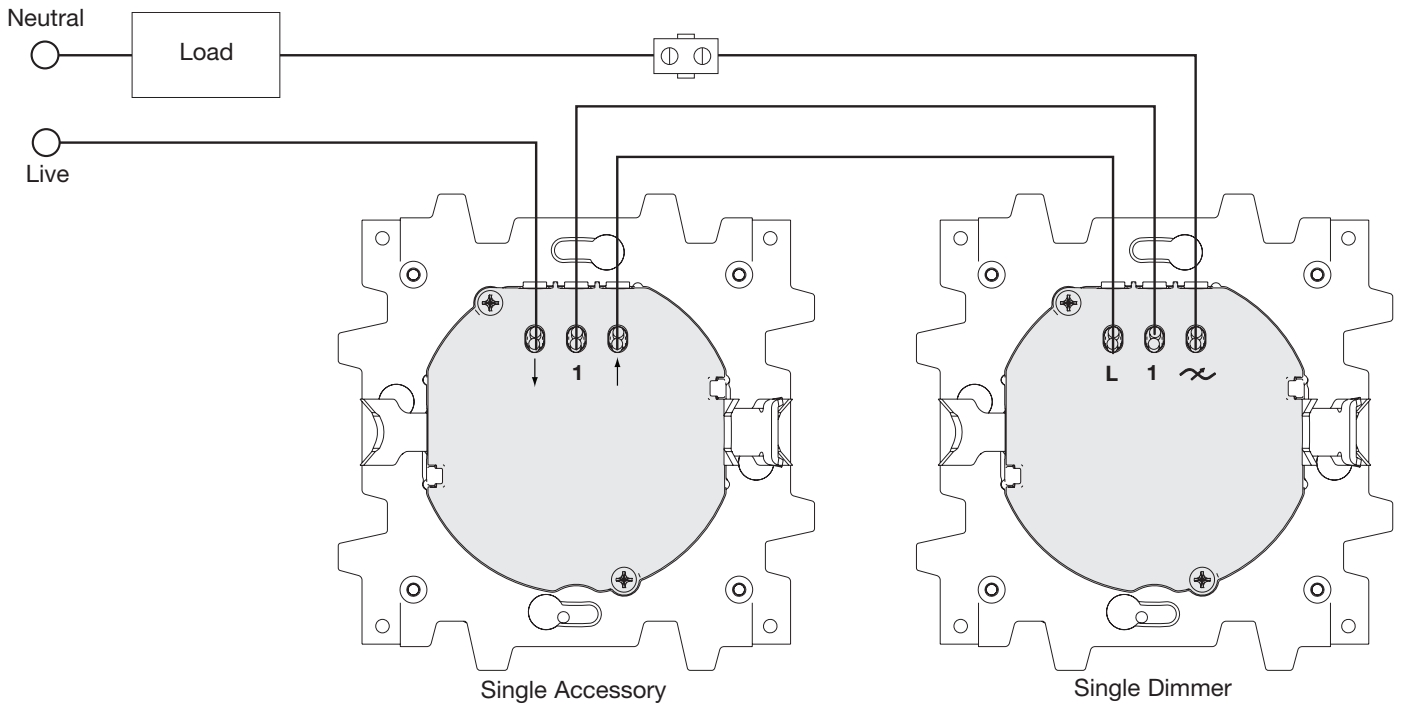
Dimmer Operation (Applications with 2-Way Switches).....	11
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A A Single Dimmer With a Single Accessory (5-Wire Location)

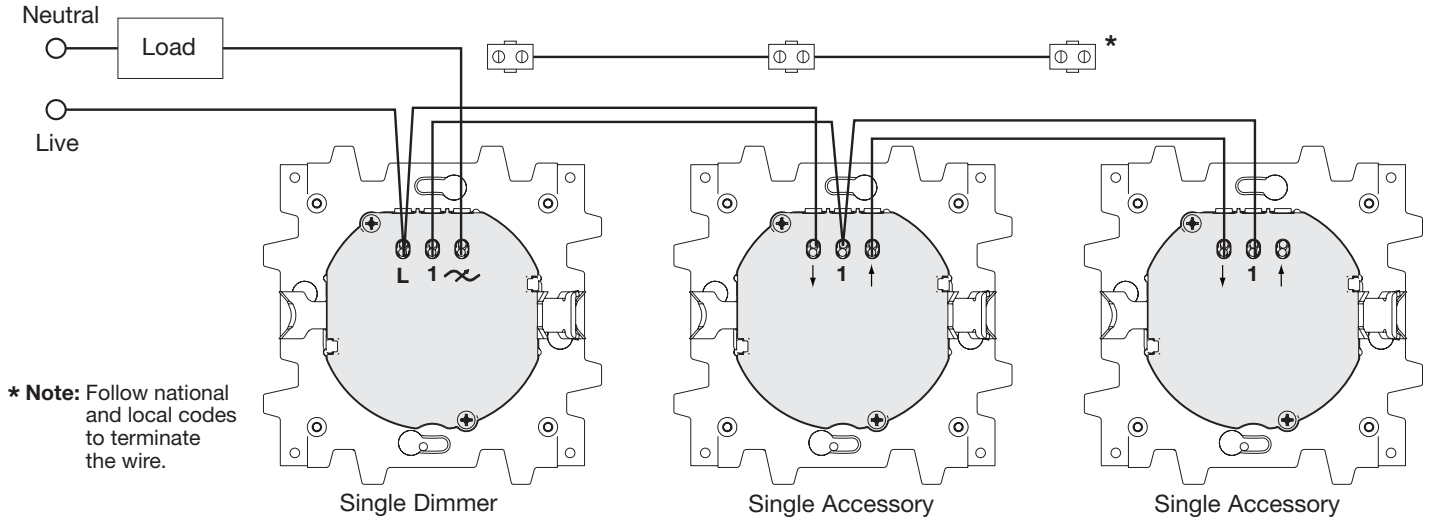


* Note: Follow national and local codes to terminate the wire.

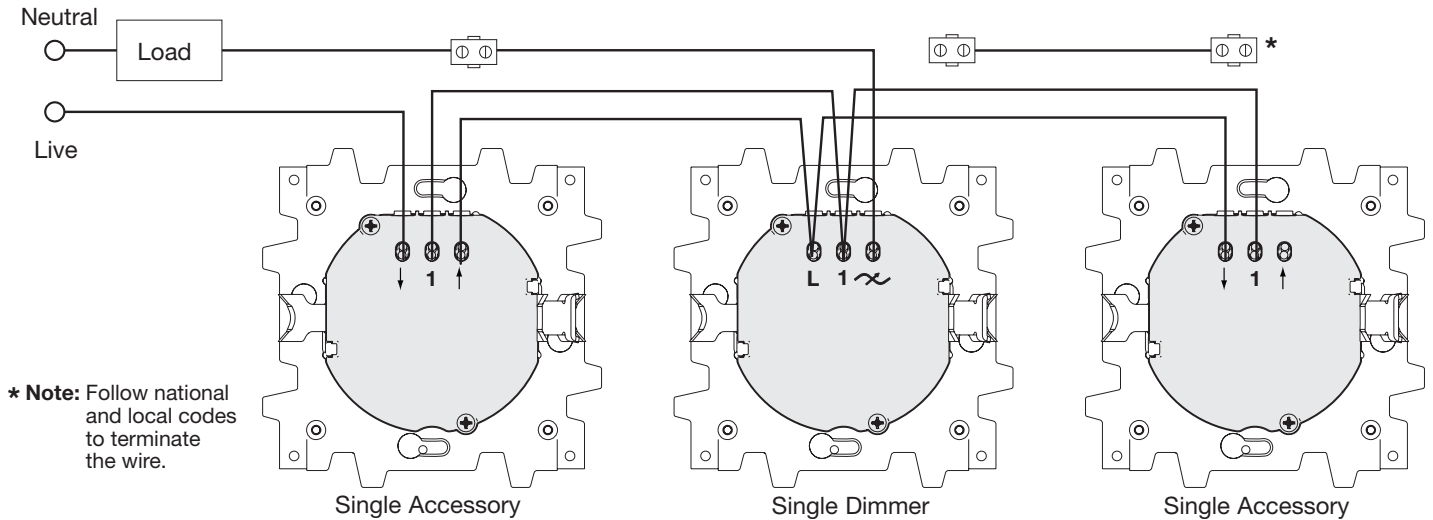
B A Single Dimmer With a Single Accessory (3-Wire Location)



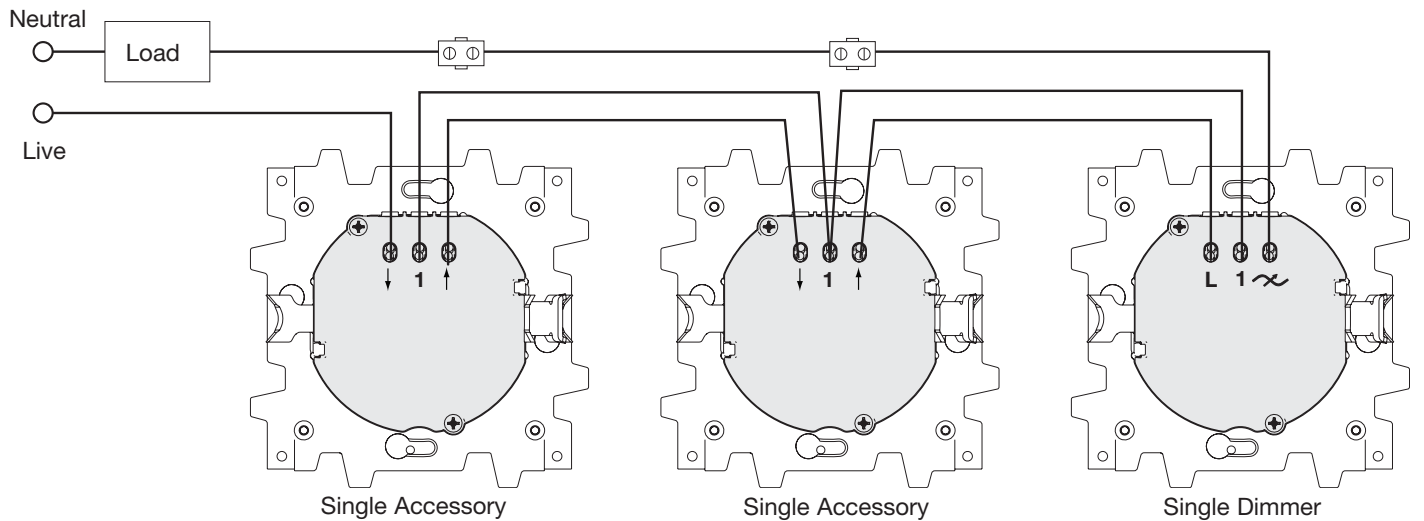
C A Single Dimmer With Two Single Accessories (5-Wire Location)



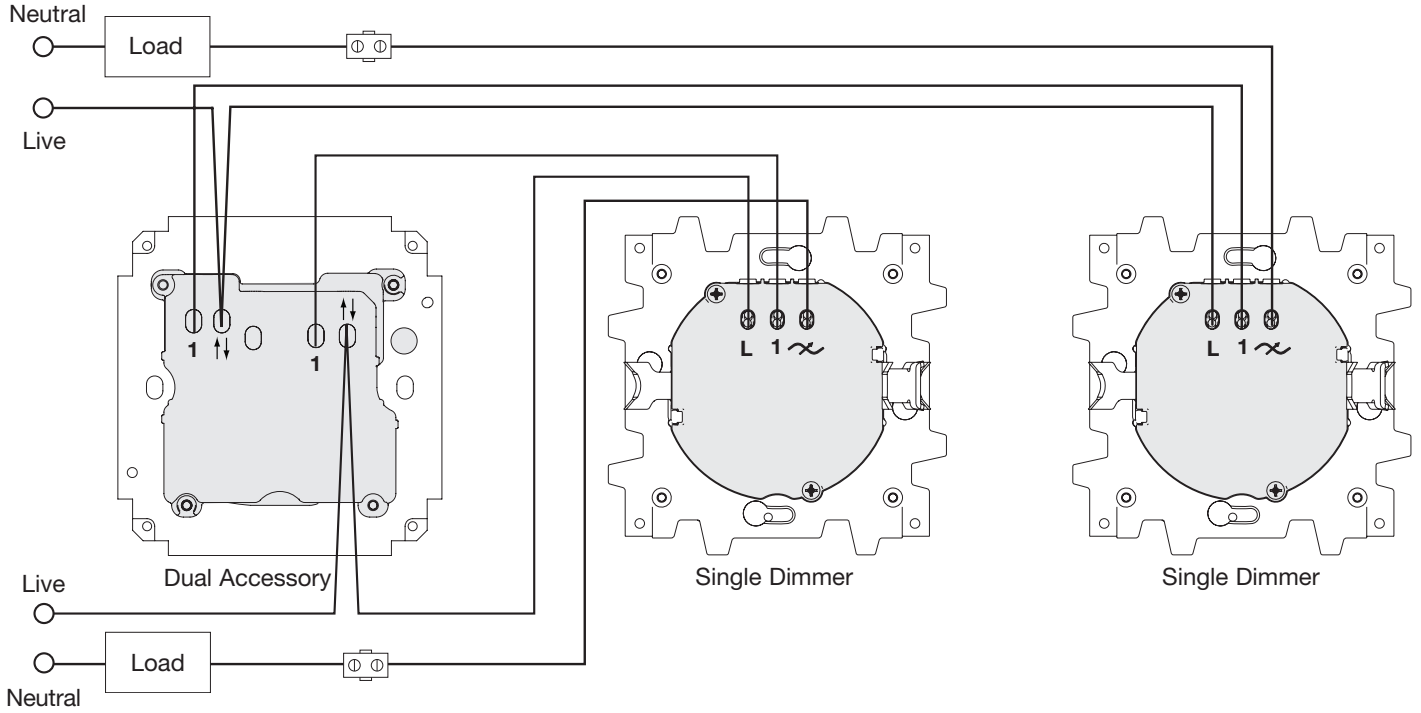
D A Single Dimmer With Two Single Accessories (6-Wire Location)



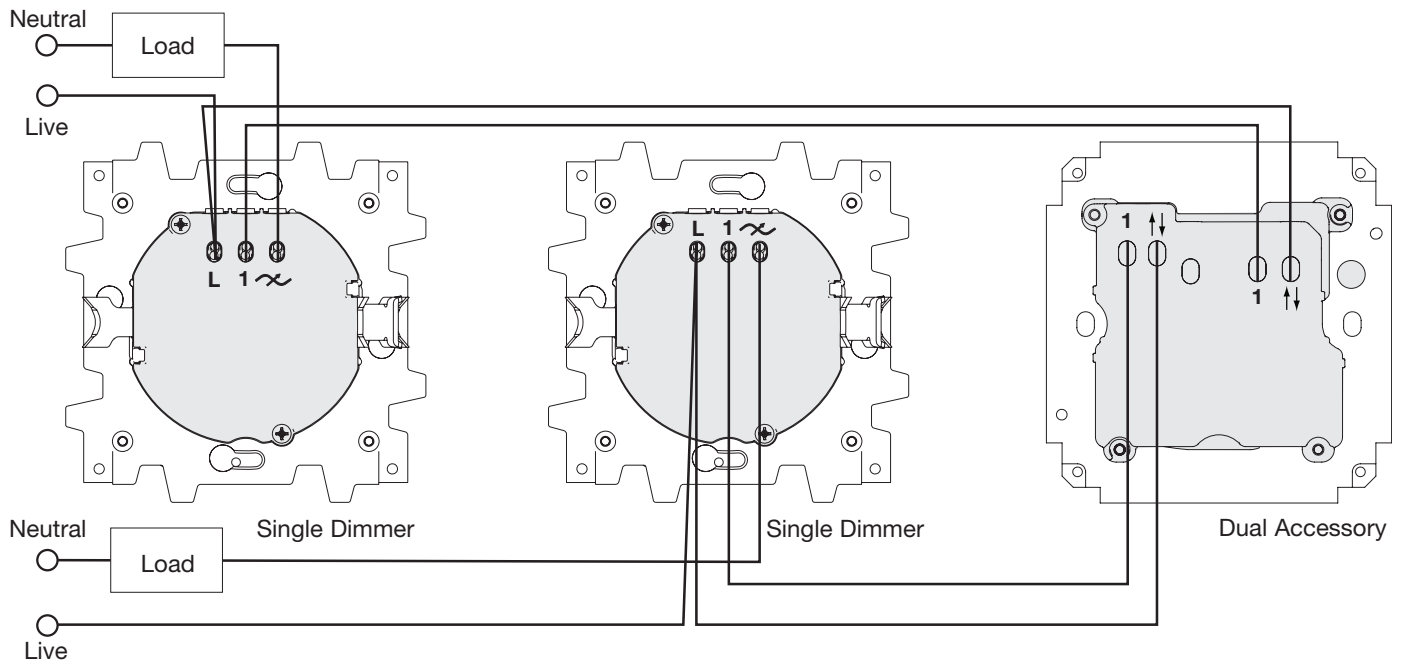
E A Single Dimmer With Two Single Accessories (3-Wire Location)



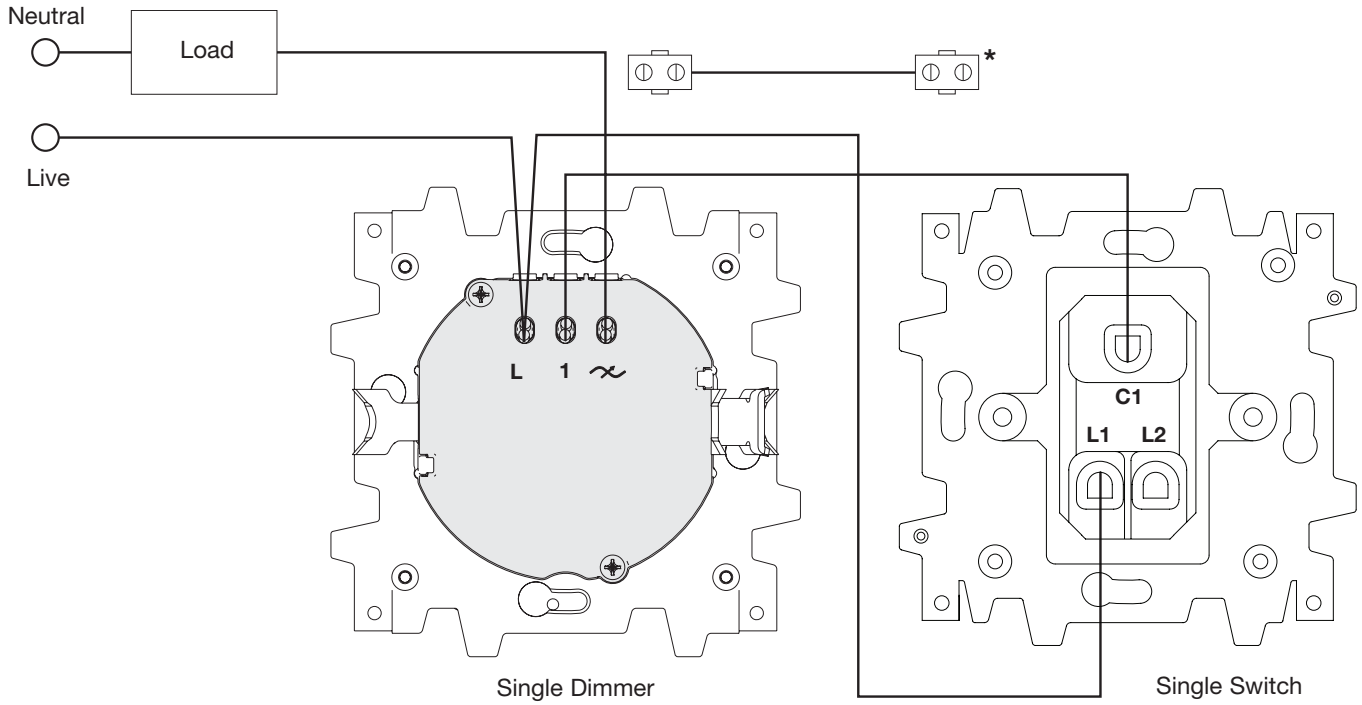
F Two Single Dimmers With One Dual Accessory (3-Wire Location)



G Two Single Dimmers With One Dual Accessory (5-Wire Location)



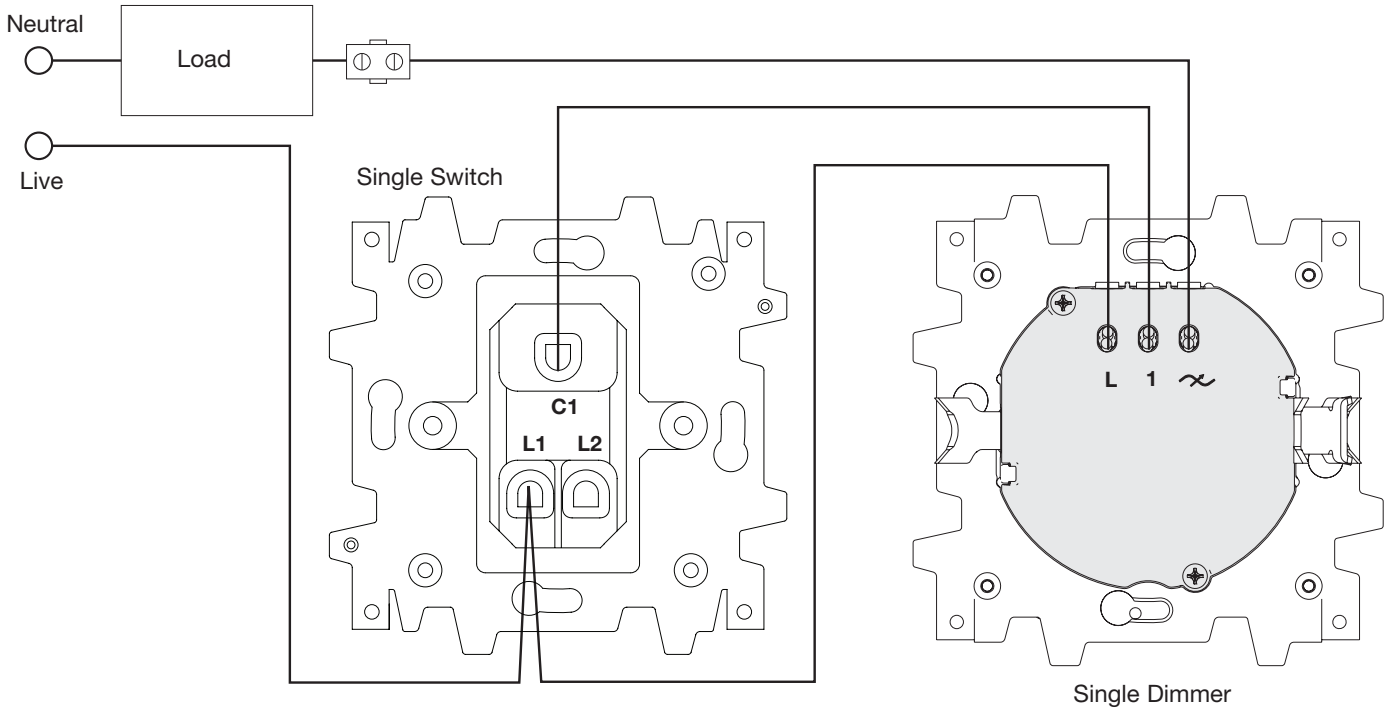
H A Single Dimmer With a Single Switch (5-Wire Location)



* **Note:** Follow national and local codes to terminate the wire.

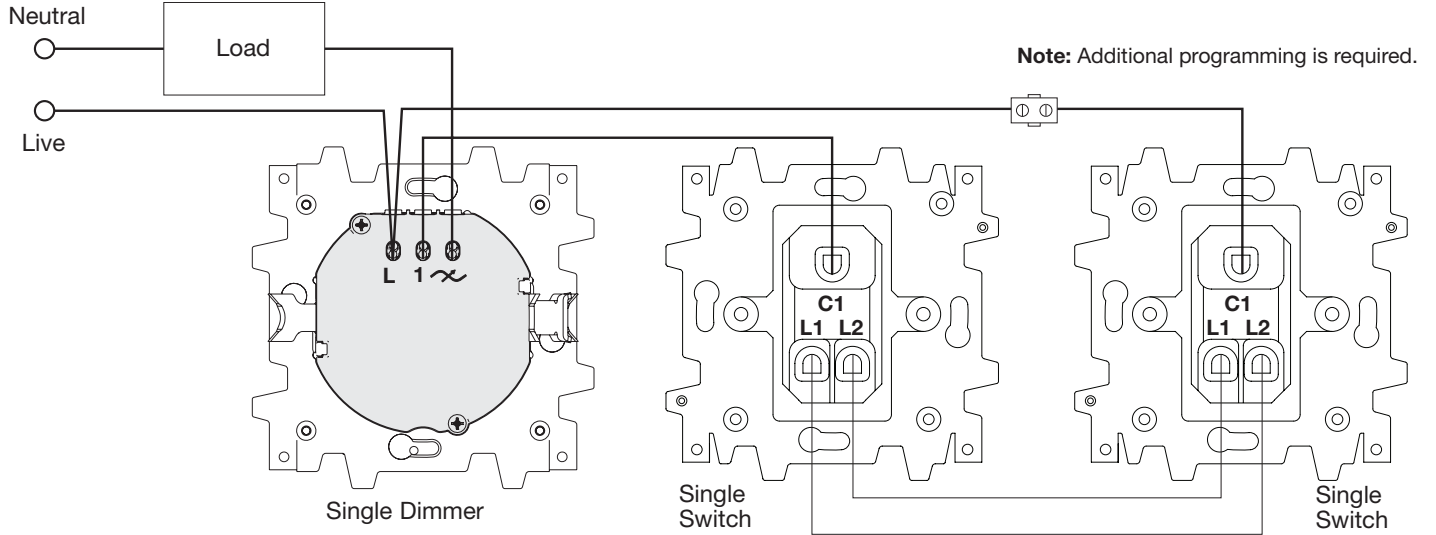
Note: Additional programming is required.

I A Single Dimmer With a Single Switch (3-Wire Location)

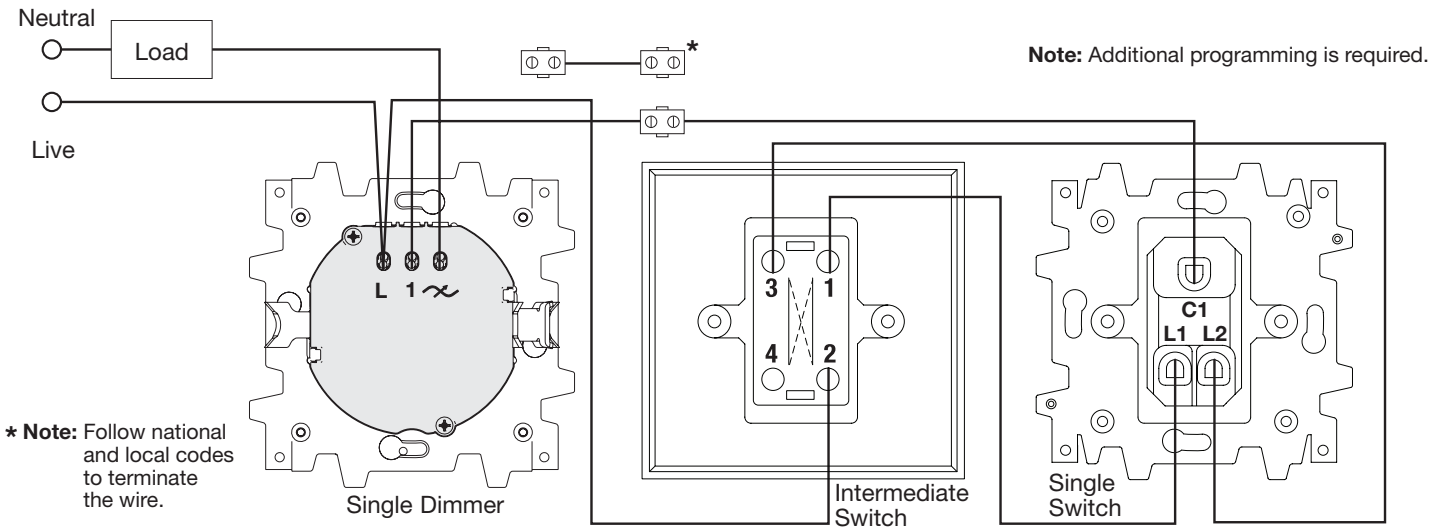


Note: Additional programming is required.

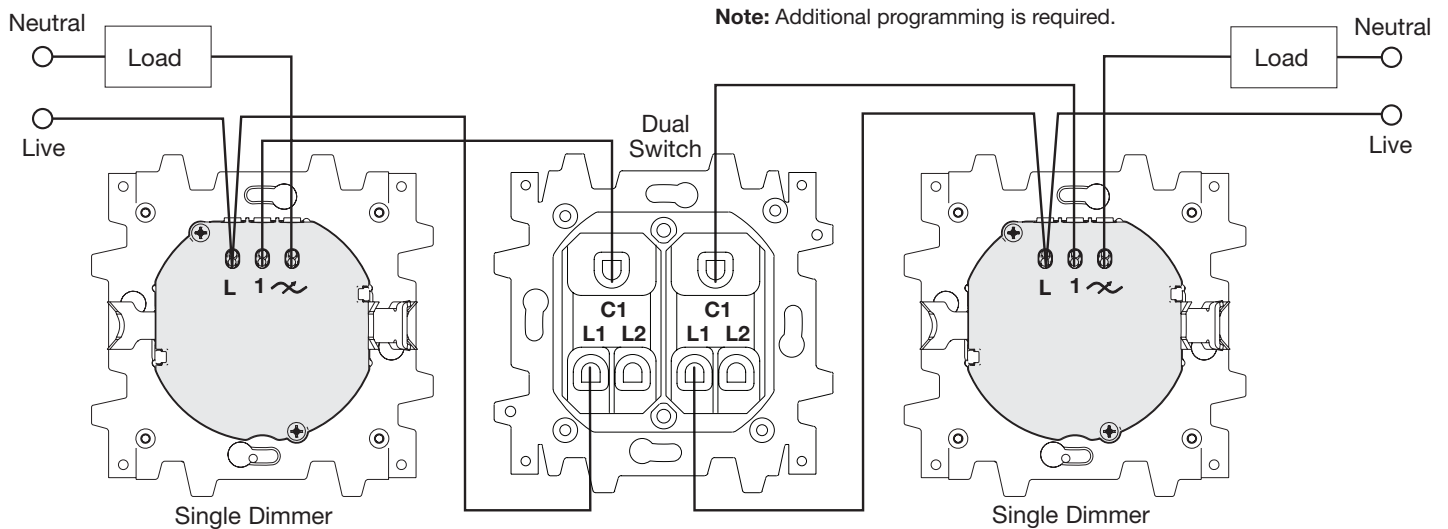
J A Single Dimmer With Two Single Switches (5-Wire Location)



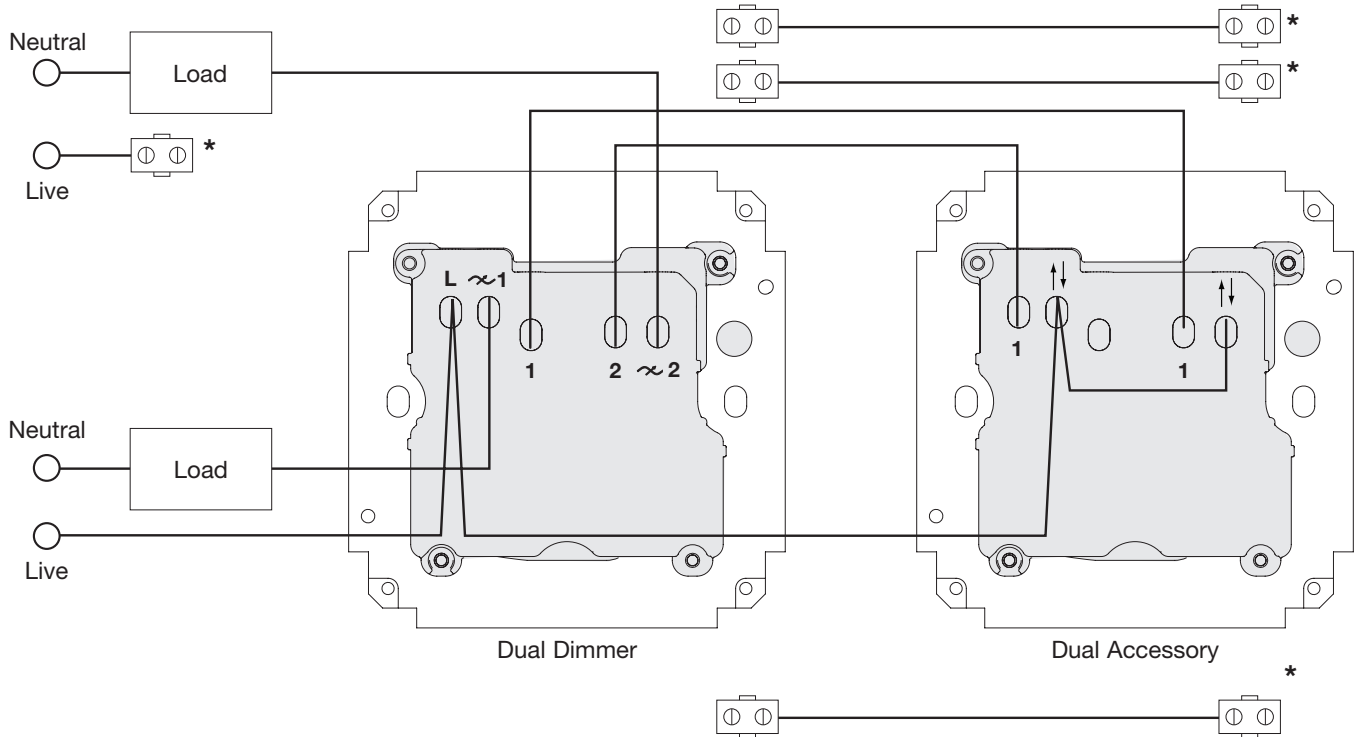
K A Single Dimmer With an Intermediate Switch and a Single Switch (5-Wire Location)



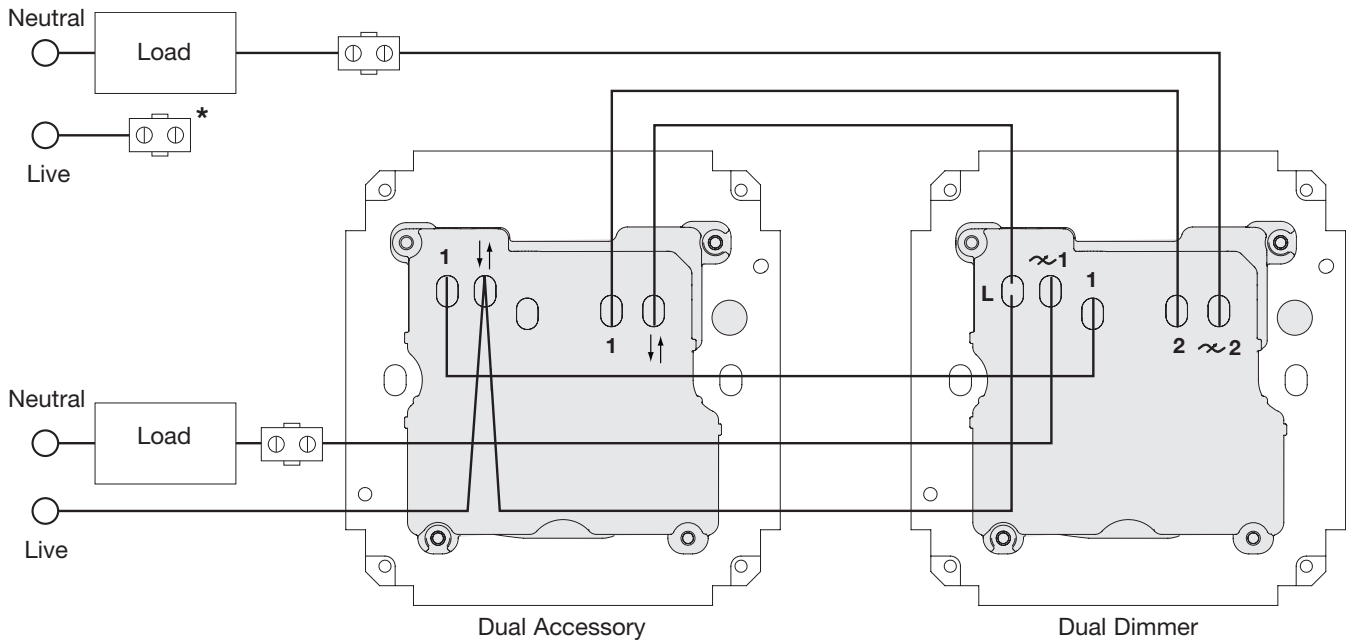
L Two Single Dimmers With A Dual Switch (5-Wire Location)



M A Dual Dimmer With a Dual Accessory (10-Wire Location)

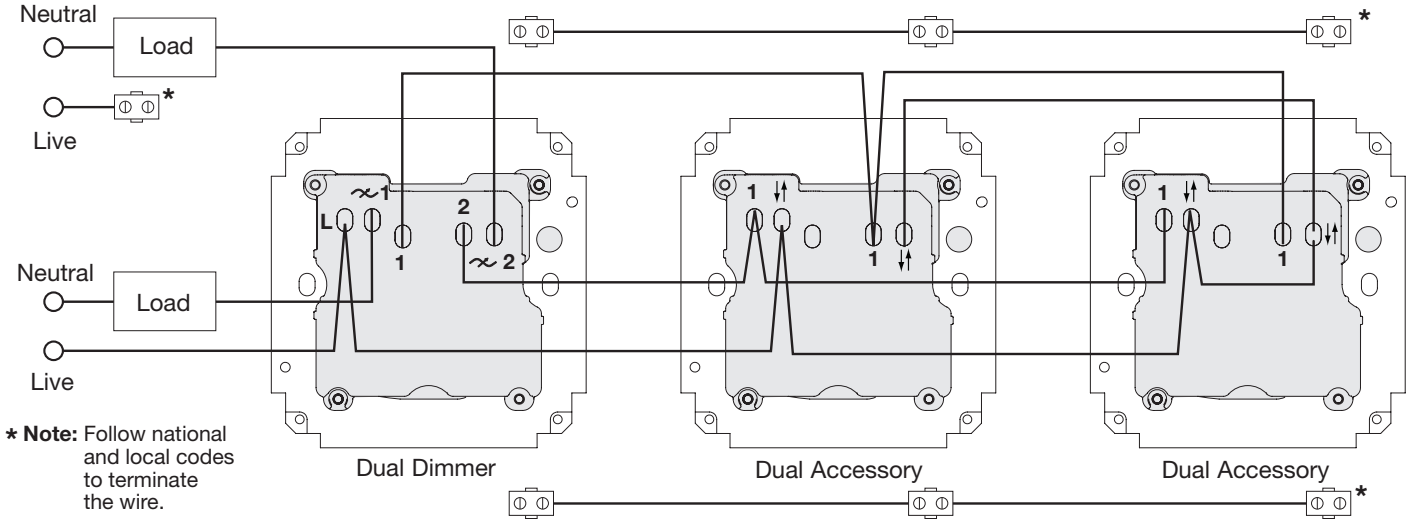


N A Dual Dimmer With a Dual Accessory (6-Wire Location)

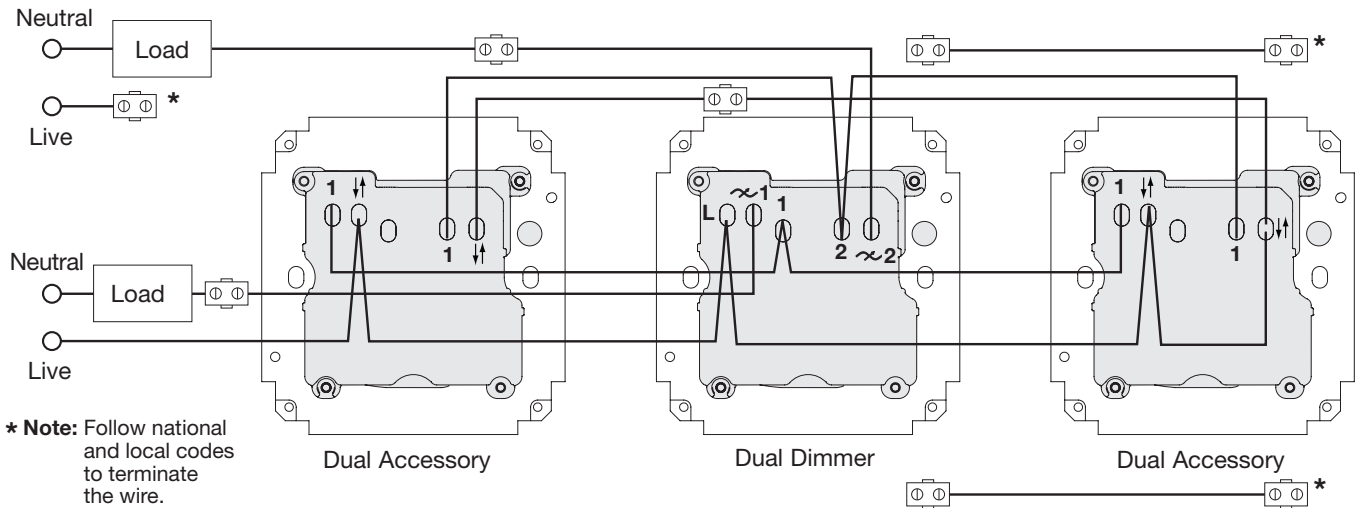


* Note: Follow national and local codes to terminate the wire.

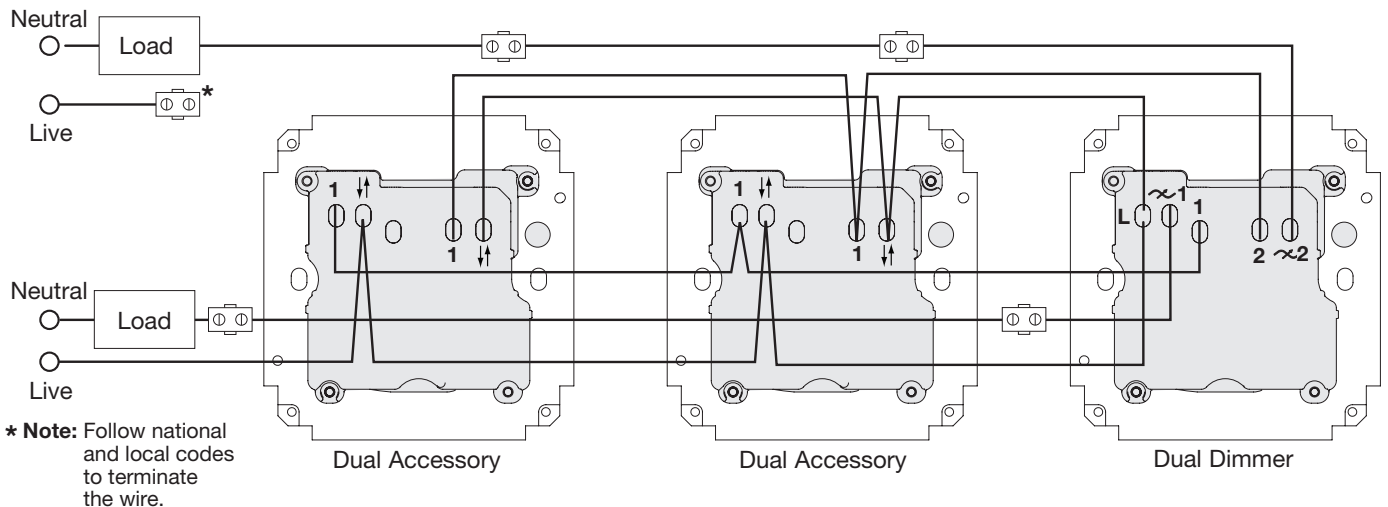
O A Dual Dimmer With Two Dual Accessories (10-Wire Location)



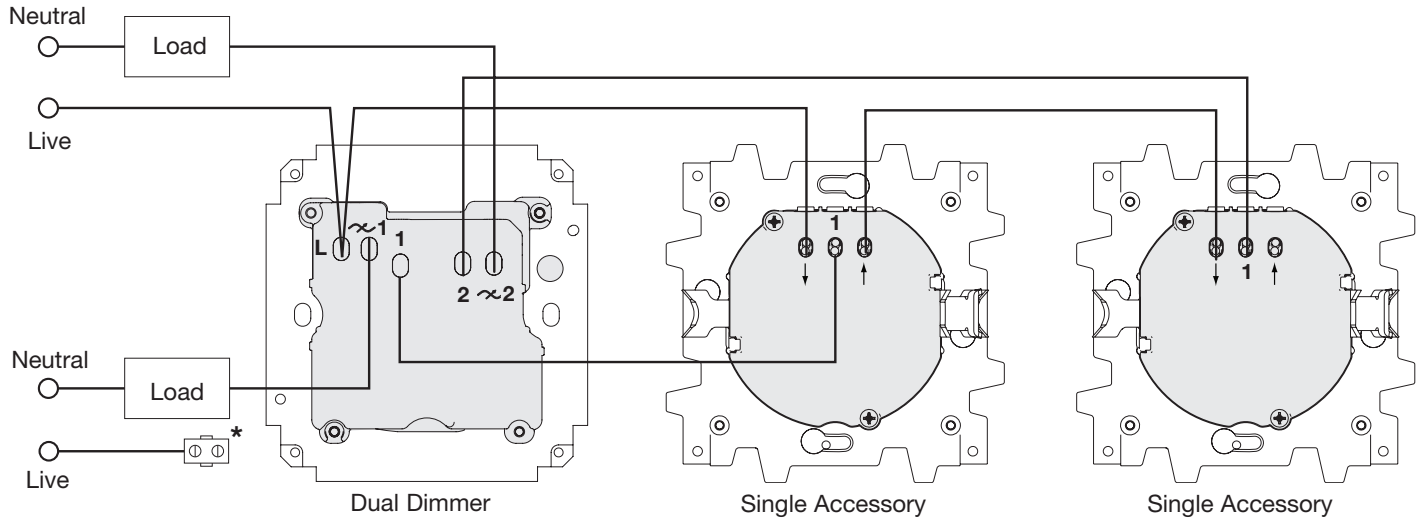
P A Dual Dimmer With Two Dual Accessories (12-Wire Location)



Q A Dual Dimmer With Two Dual Accessories (6-Wire Location)

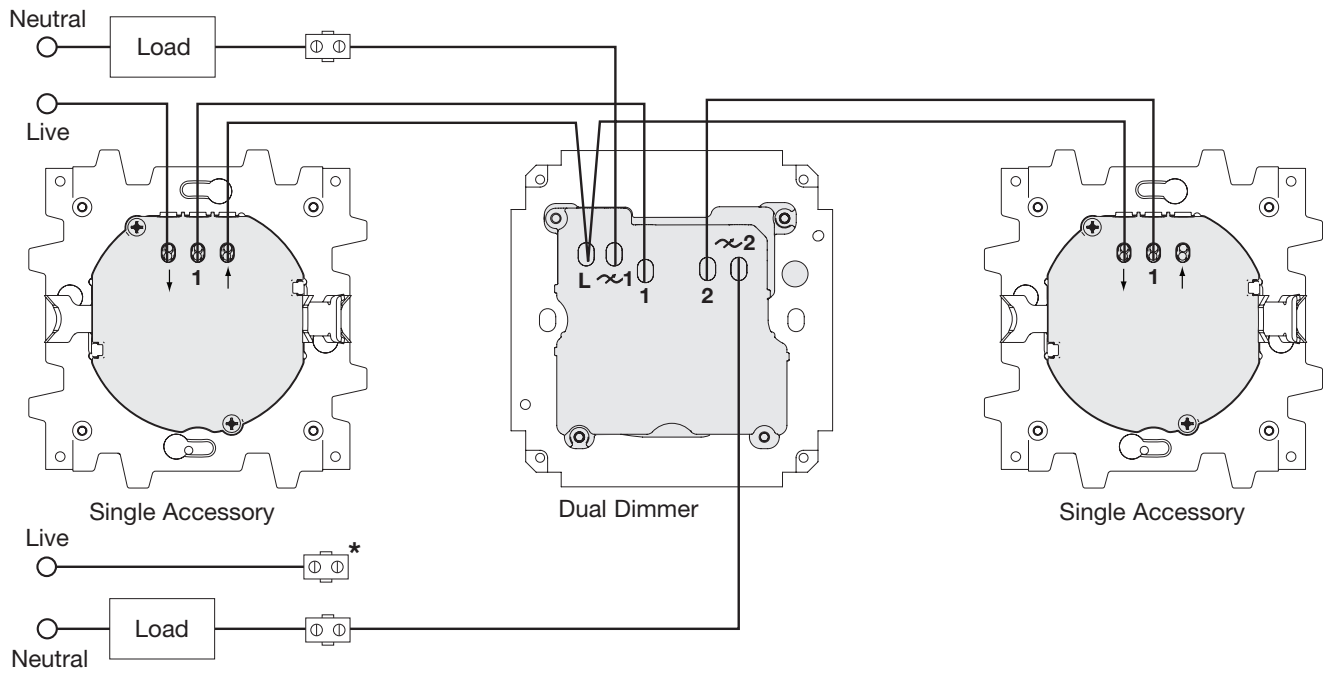


R A Dual Dimmer With Two Single Accessories (10-Wire Location)



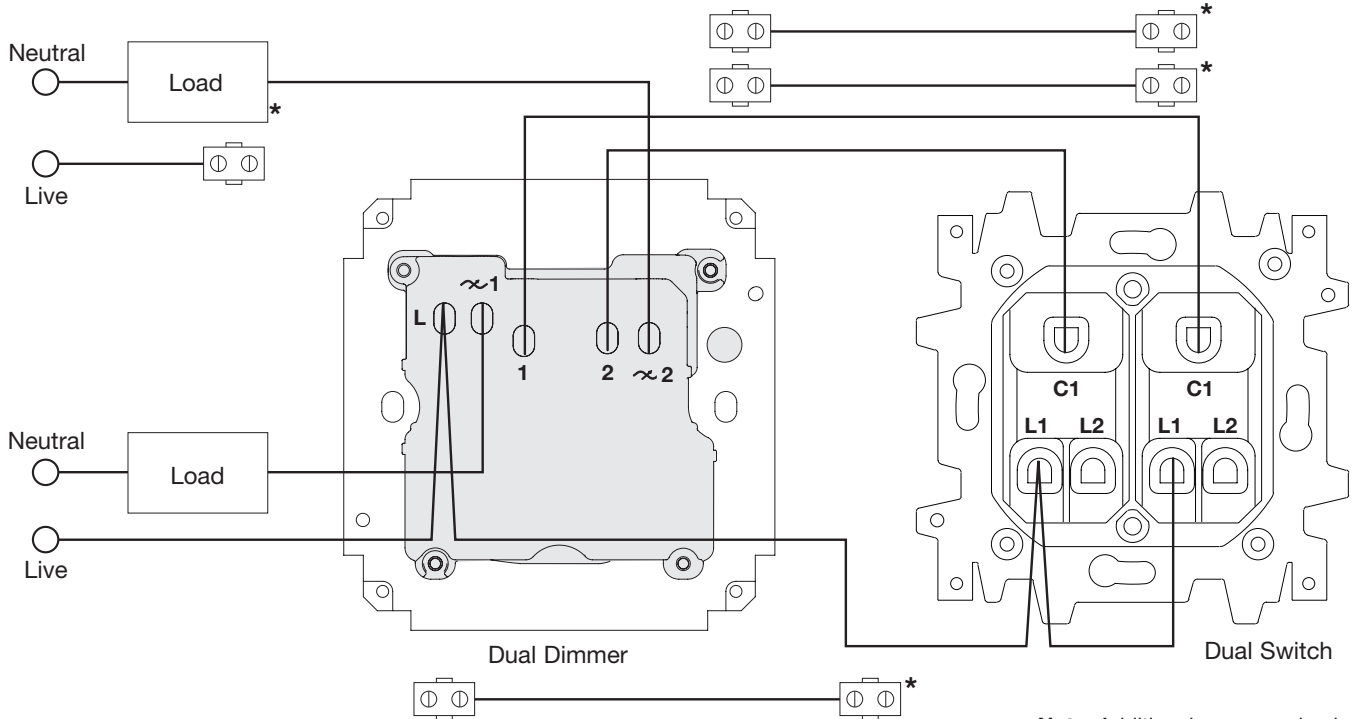
***Note:** Follow national and local codes to terminate the wire.

S A Dual Dimmer With Two Single Accessories (6-Wire Location)



Note: Follow national and local codes to terminate the wire.

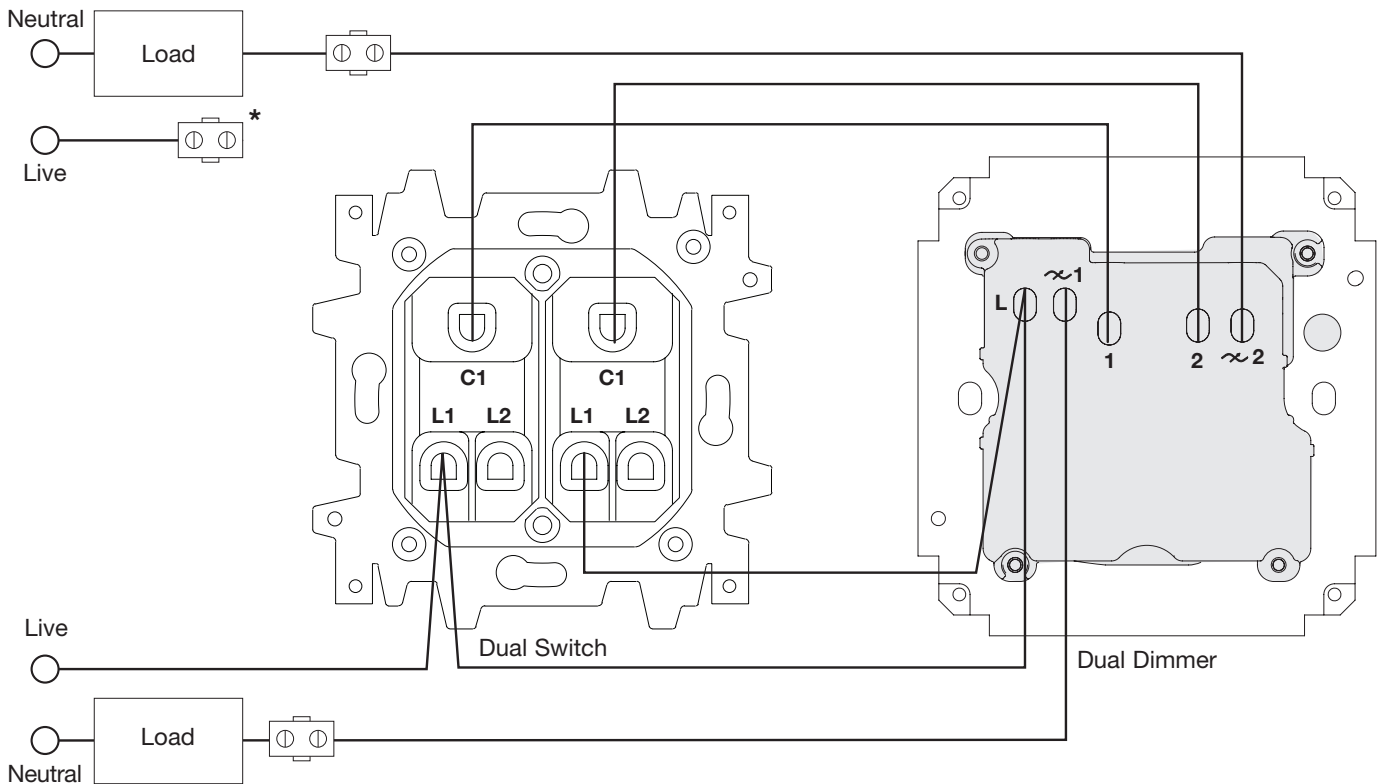
T A Dual Dimmer With A Dual Switch (10-Wire Location)



* Note: Follow national and local codes to terminate the wire.

Note: Additional programming is required on a zone connected to a switch.

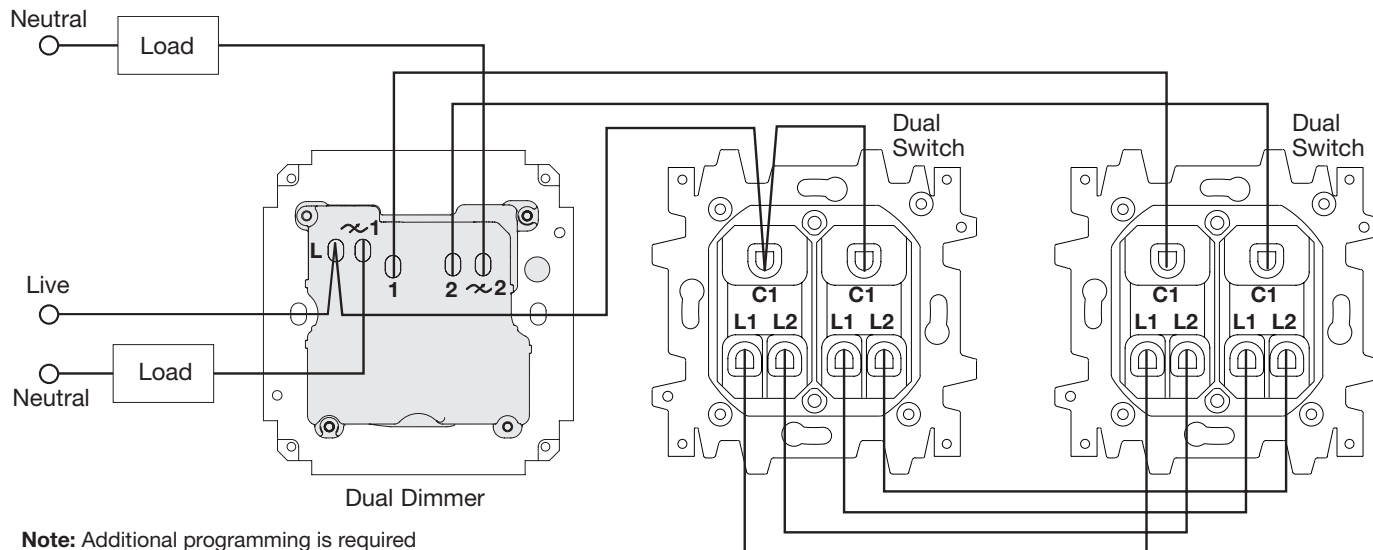
U A Dual Dimmer With A Dual Switch (6-Wire Location)



* Note: Follow national and local codes to terminate the wire.

Note: Additional programming is required on a zone connected to a switch.

V A Dual Dimmer With Two Dual Switches (10-Wire Location)



Note: Additional programming is required on a zone connected to a switch.

Changing the Settings on Rania® for Applications with 2-way Switches:

Enter the Advanced Programming mode Menu. To do so make sure the dimmer has power (LEDs should be glowing green), and that the lights are off. If the lights are on, press the Toggle button to turn them off.

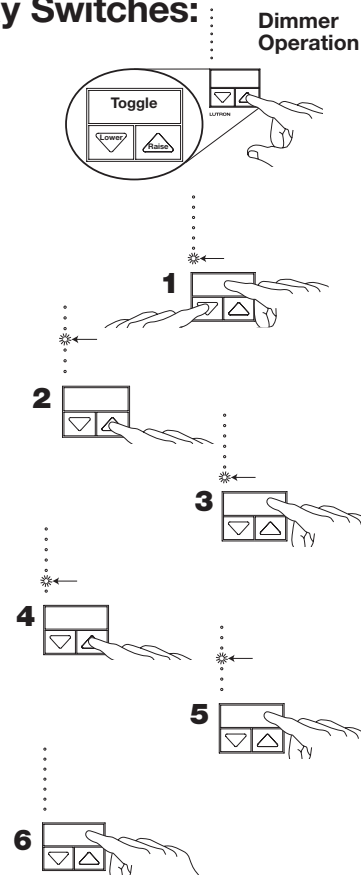
The following needs to be performed with the Dual Rania powered on the zone that is wired with a 2-way switch.

- 1** From Electronic OFF – Rania powered, but lights turned off – press and hold Lower (down arrow button) and simultaneously press and hold the Toggle button (big rectangular button above Raise/Lower) until the bottom green LED starts flashing. Once this happens, release both buttons.
- 2** Press Raise (up arrow button) three times, until the fourth LED from the bottom starts flashing.
- 3** Press Toggle once. The bottom LED will start flashing again.
- 4** Press Raise once. Second LED should start flashing.
- 5** Press Toggle once. Fourth LED only should be flashing at this point.
- 6** Press and hold the Toggle button until all the LEDs stop flashing.

Note:

There is a 1 minute timer that will automatically exit the Advanced Programming mode if there is no activity on the dimmer.

To restore the dimmer to factory defaults, repeat step 1 and with the bottom LED flashing, press and hold Raise and Toggle at the same time until the light level begins to rise.



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