

4 wire 3 way switch diagram

Decoding the 4 Wire 3 Way Switch Diagram: A Comprehensive Guide

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Editor: Mr. Robert Miller, BSEE – Mr. Miller, the editor for this article, has 20 years of experience in electrical system installation and maintenance. He has extensive practical knowledge of various switching configurations, including the intricacies of the 4 wire 3 way switch diagram.

Keyword: 4 wire 3 way switch diagram

Summary: This report provides a comprehensive understanding of the 4-wire 3-way switch diagram, explaining its functionality, wiring configurations, and troubleshooting techniques. We will explore the reasons for utilizing a 4-wire system over a standard 3-wire setup, delve into common wiring mistakes, and offer practical solutions for resolving issues with this type of switching system. The article emphasizes safety precautions and the importance of adhering to local electrical codes.

1. Introduction to 3-Way Switching and the 4 Wire 3 Way Switch Diagram

Three-way switches allow control of a light fixture or other electrical load from two different locations. This is achieved through a specific wiring configuration involving two 3-way switches. While a standard 3-way switch setup utilizes three wires (hot, common, and two travelers), a 4-wire 3-way switch diagram introduces an additional ground wire, enhancing safety and potentially simplifying installation in certain scenarios. This added ground wire is crucial for understanding the unique characteristics of this setup.

2. Understanding the Components of a 4 Wire 3 Way Switch Diagram

A standard 4-wire 3-way switching system includes:

Power Source: The main power supply providing the hot wire (typically black), a neutral wire (typically white), and a ground wire (typically bare copper or green).

3-Way Switches (Two): These switches possess three terminals: one common terminal and two traveler terminals.

Load: The light fixture or other electrical device being controlled.

Wiring: The wires connecting all the components, including the crucial fourth wire – the ground.

3. The Importance of the Fourth Wire: Grounding

The inclusion of the fourth wire, the ground wire, in a 4-wire 3-way switch diagram is a significant safety feature. It provides a low-impedance path for fault currents, protecting against electrical shocks and preventing potential fire hazards. In scenarios where the metallic switch boxes are not properly grounded, the fourth wire becomes especially critical, ensuring a reliable ground path for the entire circuit.

4. Wiring a 4 Wire 3 Way Switch Diagram: A Step-by-Step Guide

Caution: Working with electrical wiring can be dangerous. If you are not comfortable working with electricity, consult a qualified electrician. Always turn off the power at the breaker box before beginning any electrical work.

(Diagram would be inserted here – a clear, labelled diagram showing the wiring of a 4-wire 3-way switch system, including the ground wire connected to each switch and the load.)

1. **Power Supply Connection:** Connect the black (hot) wire from the power source to the common terminal of one of the 3-way switches.
2. **Neutral Connection:** Connect the white (neutral) wire from the power source directly to the neutral terminal of the load.
3. **Ground Connection:** Connect the bare copper or green ground wire from the power source to the ground terminal of both 3-way switches and the ground terminal of the load. This is the fourth wire.
4. **Traveler Wires:** Connect the remaining two wires (traveler wires) between the two 3-way switches. These wires typically use red and black wire for clarity.

5. Load Connection: Connect the common terminal of the second 3-way switch to the load.

5. Troubleshooting Common Problems with 4 Wire 3 Way Switch Diagrams

Many issues with 4-wire 3-way switch systems stem from incorrect wiring. Common problems include:

Light not working: Check all connections for loose wires, incorrect wiring, and blown fuses or tripped breakers. Verify the power is off at the breaker before inspecting.

Light only works from one location: This typically indicates an issue with the traveler wire connections or a faulty switch.

Intermittent operation: Check for loose connections, damaged wires, and potentially faulty switches.

6. Comparing 3-Wire and 4-Wire 3-Way Switch Systems

The key difference lies in the inclusion of the ground wire. While a 3-wire system relies on the metal boxes for grounding, a 4-wire system provides a dedicated ground path, enhancing safety, particularly in scenarios with non-metallic boxes or less robust grounding. The 4-wire system, while requiring slightly more wiring, offers a higher degree of safety and reliability.

7. Advanced Applications of 4 Wire 3 Way Switch Diagrams

The 4-wire 3-way switch diagram isn't limited to simple light control. With modifications, it can be used in more complex setups, such as controlling multiple loads from two locations or incorporating smart home technology.

8. Safety Precautions When Working with 4 Wire 3 Way Switch Diagrams

Always prioritize safety when working with electricity. Never work on live wires. Turn off the power at the breaker box before any wiring work. Use appropriate safety equipment, such as insulated tools and safety glasses. If unsure, consult a qualified electrician.

9. Conclusion

The 4-wire 3-way switch diagram offers a reliable and safer alternative to the standard 3-wire system. By understanding its components, wiring

configurations, and potential troubleshooting issues, homeowners and electricians can effectively utilize this system to control lighting and other electrical loads from two locations, ensuring both functionality and safety. The added ground wire provides a significant improvement in safety and reliability, making it a preferable choice in many scenarios.

FAQs

1. Can I use a 3-wire 3-way switch in a 4-wire setup? No, the extra ground wire necessitates a switch designed to accommodate it.
2. What happens if I accidentally connect the ground and neutral wires? This can create a short circuit, potentially damaging the circuit or causing a fire.
3. Can I use different colored wires for the travelers? Yes, but use consistent colors throughout the circuit for clarity.
4. What size wire should I use for a 4-wire 3-way switch? The appropriate wire gauge depends on the load and amperage requirements, check your local electrical code.
5. Is a 4-wire system always necessary? No, a 3-wire system is sufficient if the metal boxes provide adequate grounding.
6. How do I test for a faulty 3-way switch? Use a multimeter to check the continuity of the switches and the wiring.
7. Can I use this setup for outdoor lighting? Yes, but use weatherproof wiring and switches rated for outdoor use.
8. What are the cost differences between 3-wire and 4-wire systems? The 4-wire system involves slightly more materials, leading to a marginal increase in cost.
9. Can I add a dimmer switch to a 4-wire 3-way system? Yes, but ensure the dimmer switch is compatible with 3-way switching.

Related Articles:

1. **Troubleshooting Common Problems in 3-Way Switch Wiring:** This article focuses on diagnosing and resolving typical issues in both 3-wire and 4-wire 3-way switch installations.
2. **Installing Smart Switches in a 3-Way Setup:** This article guides users through integrating smart switches into both 3-wire and 4-wire 3-way

systems.

3. Understanding Electrical Grounding Systems: This article delves into the importance of proper grounding in electrical circuits, highlighting its relevance to 4-wire 3-way switch systems.
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7. Advanced Wiring Techniques for Multi-Location Lighting Control: An advanced article covering complex lighting control systems that expand upon the principles of 3-way switching.
8. Integrating 3-Way Switching with Home Automation Systems: This article focuses on combining 3-way switching with smart home technologies.
9. Code Compliance for Residential Electrical Wiring: This article provides an overview of local and national electrical codes related to residential wiring, emphasizing the importance of adhering to regulations.

Understanding the 4-Wire 3-Way Switch Diagram: A Comprehensive Analysis

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Publisher: National Electrical Contractors Association (NECA) – NECA is a leading authority on electrical standards and practices, representing electrical contractors across the United States. Their publications are widely respected within the industry for their accuracy and adherence to national electrical codes.

Editor: Mr. James Riley, CET – Mr. Riley is a Certified Electrical Technician with over 30 years of experience in residential and commercial electrical installations and troubleshooting. His expertise ensures the technical accuracy and clarity of the information presented.

Keywords: 4 wire 3-way switch diagram, 3-way switching, electrical wiring diagrams, home wiring, lighting circuits, electrical installation, multi-way switching, four-wire 3-way switch, electrical troubleshooting.

1. Introduction: The Evolution of the 4-Wire 3-Way Switch Diagram

The humble light switch has undergone significant evolution since its inception. Early lighting control systems were simple, utilizing single-pole switches to control individual lights. However, the need for controlling a light from multiple locations led to the development of 3-way switches, and subsequently, the more complex 4-wire 3-way switch diagram. This article delves into the intricacies of the 4-wire 3-way switch diagram, exploring its historical context, its practical applications, and its continuing relevance in modern electrical systems.

2. The Basics of 3-Way Switching

Before diving into the 4-wire system, understanding the fundamental principles of 3-way switching is crucial. A standard 3-way switch configuration uses two 3-way switches to control a light fixture from two different locations. Each switch has three terminals: a common terminal and two traveler terminals. The traveler wires carry the power signal between the two switches, allowing either switch to control the light. This traditional setup uses three wires between the switches (two travelers and a common).

3. Why a 4-Wire 3-Way Switch Diagram? The Added Functionality

The 4-wire 3-way switch diagram introduces an additional wire, typically a neutral wire, to the circuit. While a 3-wire system can function effectively, the addition of a fourth wire offers several advantages:

Improved Safety: The neutral wire provides a direct return path for current, potentially reducing the risk of electrical shock if a fault occurs within the switch box.

Simplified Troubleshooting: The presence of a neutral wire simplifies troubleshooting by providing a clear path for voltage measurements. This is particularly helpful in older wiring installations where identifying the neutral wire can be challenging.

Compatibility with Smart Switches: Many modern smart switches require a

neutral wire for their power supply. This makes the 4-wire configuration essential for integrating smart home technology.

Flexibility in Circuit Design: The additional wire offers flexibility in circuit design, allowing for more complex configurations and increased control options.

Reduced Voltage Drop: By providing a separate return path for the neutral, it reduces the voltage drop across the circuit, ensuring consistent performance of the connected light fixture.

4. Understanding the 4-Wire 3-Way Switch Diagram: A Detailed Analysis

A typical 4-wire 3-way switch diagram includes the following components:

Power Source: This is the point where the power enters the circuit, usually from the breaker panel.

Neutral Wire: This wire carries the return current to the power source, completing the circuit.

Hot Wire: This wire carries the current from the power source to the switches.

Traveler Wires (Two): These wires carry the switching signal between the two 3-way switches.

Light Fixture: This is the load controlled by the switches.

Two 3-Way Switches: These switches control the flow of current to the light fixture.

The 4-wire 3-way switch diagram allows for the neutral wire to be run directly to both switches, improving safety and performance. This stands in contrast to the less common but possible approach of not having a neutral at the switches but only at the light fixture which introduces more voltage drop and safety risks.

The diagram itself is visually represented with clear labeling of each wire and component, making it easier to understand and install. Various representations exist depending on the specific software or drawing method used. However, the basic principles remain consistent.

5. Practical Applications and Current Relevance

The 4-wire 3-way switch diagram finds widespread application in modern residential and commercial settings. Its use is particularly prevalent in situations where:

Multiple switches control a single light fixture: This is the most common application, ensuring convenient light control from multiple locations within a room or hallway.

Smart home integration: The neutral wire is essential for powering many smart switches and lighting systems.

Larger light fixtures or higher power loads: The reduced voltage drop

associated with the 4-wire configuration is beneficial for ensuring consistent performance of higher wattage lighting fixtures.

Retrofitting older wiring: Upgrading an existing 3-wire system to a 4-wire system can improve safety and functionality, especially in situations where neutral wiring may be limited.

The increasing adoption of smart home technologies further solidifies the relevance of the 4-wire 3-way switch diagram. As more homeowners opt for smart lighting controls, the need for a neutral wire becomes paramount.

6. Troubleshooting 4-Wire 3-Way Switch Circuits

Troubleshooting a 4-wire 3-way switch circuit follows similar principles as troubleshooting other electrical circuits, with the added benefit of having a readily available neutral wire for safety and testing purposes. Using a multimeter to check voltage at different points in the circuit helps to pinpoint the location of a fault. Common troubleshooting scenarios involve checking for continuity in the wires, testing the switches for functionality, and identifying any loose connections. A clear understanding of the 4-wire 3-way switch diagram is crucial for accurate and efficient troubleshooting.

7. Conclusion

The 4-wire 3-way switch diagram represents a significant advancement in electrical wiring configurations. While the basic principles of 3-way switching remain the same, the addition of a neutral wire provides substantial improvements in safety, functionality, and compatibility with modern smart home technologies. Its widespread adoption reflects its practical value in both new installations and retrofits, making it an indispensable part of modern electrical systems. The clear understanding and proper installation of this configuration are essential for maintaining a safe and efficient home or building electrical system.

FAQs

1. Can I use a 3-wire system instead of a 4-wire system? While possible in some cases, a 3-wire system may compromise safety and compatibility with smart switches. A 4-wire system is generally recommended for improved safety and functionality.
1. What size wire should I use for a 4-wire 3-way switch circuit? The wire gauge depends on the amperage and length of the circuit. Consult the National Electrical Code (NEC) for appropriate wire sizing.

1. What happens if the neutral wire is not connected properly? An improperly connected neutral wire can lead to safety hazards, voltage imbalances, and potential damage to the switches or lighting fixture.

1. How do I identify the neutral wire in an existing circuit? Carefully inspect the wire colors; neutral wires are typically white or gray. Using a non-contact voltage tester can help in identifying the neutral and hot wires.

1. Can I add a 4th wire to an existing 3-wire 3-way switch circuit? Yes, but it requires carefully rerouting the wires and may require opening up walls or ceilings. It's best to consult a qualified electrician.

1. What are the common problems with a 4-wire 3-way switch circuit? Common problems include loose connections, faulty switches, and damaged wires.

1. How do I test a 4-wire 3-way switch circuit? Use a multimeter to check voltage and continuity at different points in the circuit to identify any faults.

1. Can I use a dimmer switch in a 4-wire 3-way switch circuit? Yes, but ensure the dimmer switch is compatible with the type of lighting fixture and the circuit configuration.

1. Is it mandatory to use a 4-wire system for all 3-way switch installations? No, but it is highly recommended for safety and compatibility with modern smart home systems. A 3-wire system might be acceptable in specific low-power situations but is generally considered less desirable.

Related Articles:

1. Troubleshooting Common Problems in 3-Way Switch Circuits: This article focuses on common issues encountered in 3-way switch circuits, providing troubleshooting steps and solutions.
1. Wiring a 3-Way Switch with a Dimmer: This article provides a step-by-step guide on wiring a dimmer switch into a 3-way switching configuration.
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1. **Converting a 3-Wire 3-Way Switch Circuit to a 4-Wire System:** This article details the steps involved in upgrading an existing 3-wire system to a more robust 4-wire configuration.

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Single-Pole Switch Installation Important Wiring Information 6

when wiring. Replace with a 3-way switch. Follow wiring "3-way Wiring" when completing step 5. OR OR Different-colored screw (COMMON) Tag 1/2 in (13 mm) OR † Connect the green or ...

WIRING LIGHT SWITCH AND SOCKET MANUAL

One way switch has two terminals which are marked as L and L1. The terminal L is for the live wire that supplies the electricity flow into the switch and another terminal L1 is for the output ...

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3. Mount unit to Wall Box. 4. Turn power back ON at the branch circuit breaker and wait 30 seconds for the unit to stabilize. 5. Make necessary adjustments. (See Checkout and Adjustments ...

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3-Way Switch Interruptor de 3 vías Red / White. 7 Technical Support Wiring
Tool Diagrams 3684493 05.12.2021 ... Image #13 – Switch with Two Black Wires
and One Blue Wire in a 3 ...

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separate ground wire for the cover to the back of the volume control !!!!!
The diagram shows two typical Tele-style switches and how to perform ... you
use a Switchcraft or similar 3-way ...

Single Pole (One location) or 3-Way (Multi-location) - Leviton

4 3 1 Single Pole 1. Line (Hot) 2. Neutral 3. Ground 4. BlackLoad 3-Way 1.
Line or Load (see important note below) 2. Neutral 3. Ground 4. First

Traveler – note color 5. Second Traveler – ...

Switch Installation Guide - Control4

3 Prepare each wire. Wire insulation should be stripped back 5/8 of an inch from the wire end (see Figure 1). Figure 1. Strip wire insulation 4 Identify your wiring application, and then see the ...

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3-Way wiring Identify your wires NOTE: This is a companion device intended for 3-way and multi-way applications only. A primary Decora Smart or Decora Digital Switch, Dimmer or Fan ...

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Maestro 3-way Kit Installation Sheet - Lutron Electronics ...

Reference Wiring Diagram 3-Way Wiring Wiring. • For installations involving more than one control in a wallbox, refer to Multigang Installations before ... • Connect the remaining wire ...

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Residential grade toggle switches spec sheet - Eaton

1303-7__ 3-way, back wire, side wire & push wire 15 120 A, B, BK, LA, V, W
1303-9__ 3-way, side wire & push wire, auto ground ... 120V Residential Grade Toggle Switch 15A 120/277V ...

3-Way Smart Wall Switch - f.hubspotusercontent30.net

Switch. 3-Way circuits can vary depending on the method used at the ... diagram, ground is green. The red and black wires connected to brass terminals are traveler wires. The wires ...

Installation Instructions - Cooper Lighting

3. Mount unit to Wall Box. 4. Turn power back ON at the branch circuit breaker and wait 30 seconds for the unit to stabilize. 5. Make necessary adjustments. (See Checkout and Adjustments ...

Single Pole (One location) or 3-Way (Multi-location) - Leviton

- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CO/ALR or CU/AL. Single-Pole 1. Line (Hot) 2. Neutral 3. Ground 4. Load ...

Easy Wi-Fi lighting Your switch - Leviton

- The Decora Smart branded D215S is not compatible with standard 3-way or 4-way switches. Use only (1) Decora Smart branded D215S switch in a wired multi-location circuit with up to 9 ...

Lutron Diva DVCL-153P-WH Dimmer Installation

or green wire in the wallbox. (See note 4, Important notes) Connect tagged wire removed from the switch to the black wire on the Dimmer. Connect one of the remaining wires removed from ...

INSTALLATION INFORMATION EMG MODELS: H3, H3A, H4, ...

1. Plug a connect cable from the Pickup Buss (OUT) to the Master Volume control as shown in Diagram #6b. 4) Plug a connect cable from the Master Volume to the Master Tone as shown. ...

Single Pole / 3-Way - Lutron Electronics Company Inc

3 Identifying the Type of Circuit 4 Disconnecting Switch Wires Green 7 Turning Power ON † Turn power ON at circuit breaker (or replace fuse). 6 Mounting Dimmer to Wallbox † Form wires ...

Switch Install (0301637) - Lutron Electronics Company Inc

Switch Install (0301637) Lutron 0301637 030-1637 Switch Install Switches Single-Pole Single Pole 3-way 3 way 4-way 4 way Spanish French English CA-1PS CA-3PS CA-4PS SC-1PS SC ...

What's it all About? - extension.purdue.edu

This project sheet shows various ways 3-way and 4-way switches can be wired to control lights from two or more locations. The switches must create a complete circuit for current to flow and ...

Automatic Bilge Pump Manual - Seachoice

1. Using the full length of wire provided (and additional wire if necessary), connect wires to the pump as shown in the diagram.(See Figure 2.) 4. Install a Three-way switch that allows for ...

Single Pole and 3-Way Switch Standard Style Cat. No. 5241

Single pole switch and 3-way switch on two separate circuits. Light(s) controlled by single pole switch, other light(s) controlled by 3-way switch and another 3-way switch at a different ...

Single Pole (One location) or 3-Way (Multi-location)

4 3 1 Single Pole 1. Line (Hot) 2. Neutral 3. Ground 4. Load 2 5 4 3 1 3-Way
1. Line or Load (see important instruction) 2. Neutral 3. Ground 4. First
Traveler – note color 5. Second Traveler – ...

TELECASTER WIRING DIAGRAM – 4 WAY SWITCH

telecaster wiring diagram – 4 way switch ... switch volume pot 250k tone pot
250k neck pickup – ... you must lift the existing ground and add an
additional ground wire. on the base of the ...

18-3-21-ZEN23-ver-2-manual.cdr - getzooz.com

4Supported by most Z-Wave controllers 4Can be used in rules and scenes with
other Z-Wave devices for advanced home automation 4Classic toggle design
4Built-in Z-Wave signal ...

OS310U and VS310U instruction sheet - Eaton

the other location is a standard 3-way switch • Two location – replace both
3-Way switches 3-W with sensors • The OS310U turns on automatically when a
person White/ ... wire the sensor ...

In-Wall Accessory Switch Installation Instructions - Cooper ...

At the two 3-way switch locations, follow steps 4 - 11 in the “3-WAY
INSTALLATION (2 Switches)” section and then return to this section for
further instruction.! In locations with 3 or more ...

In-Wall Smart Switch Installation Instructions

• All remaining locations will have 4-way switches: 4 wiring terminals plus a
ground terminal. Ground Ground 3 5 4 4-WAY INSTALLATION (3+ Switches) 3-WAY
4-WAY 1 1 3 2 2 4 Follow ...

4-Way (Power and Light to same Switch) - Build My Own ...

3-Way Switch 3-Way Switch 3-Wire Romex with Ground (i.e. 12-3) POWER SOURCE
2-Wire Romex with Ground (i.e. 12-2) 2-Wire Romex with Ground (i.e. 12-2)

Single Pole (One location) or 3-Way (Multi-location) - Leviton

4 3 1 Single Pole 1. Line (Hot) 2. Neutral 3. Ground 4. Load 3-Way 1. Line or
Load (see important instruction) 2. Neutral 3. Ground 4. First Traveler –
note color 5. Second Traveler – note color ...

Single Pole / 3-Way Quiet Fan-Speed Controls Install (0301990)

Green wire 120 V~ 60 Hz Line/Hot Red Red/ White Green Ground Neutral Fan
Control 3-Way Switch Ground 5B Ground wire (bare or green) tighten Green wire
Red Red / White No ...

Maestro Occupancy Sensing Switch - Lutron Electronics ...

4 A single standard 3-way switch or up to 9 companion switches may be
connected to an Occupancy Sensing switch. Standard 3-way switch cannot be
combined with companion ...

Mechanism Wiring Technical Brochure - Clipsal

-3 Wire Slave & Master 2-Way Switching and/ or Dimming (LED indication at
Master only) -2 Wire Slave, 3 Wire Master 41EPBCLM 41E350PBES2SM - Switch ...

3-Wire Switch ...

P-90 wiring - StewMac

shielded by an outer braid that serves as the ground wire. Standard unshielded wire is fine for the short connections between components. Typically use white for hot and black for ground. ...

Here is a schematic, but without the - motolili.wordpress.com

A number of wiring diagram for a 3 way switch are available for free while some are payable. If you aren't sure perhaps 4 WAY SWITCH WIRING SCHEMATIC. 3 Way Switch Schematic ...

English Lutron Technical Support Center 1-800-523-9466 24 ...

others will be 4-way. TAG the two 3-way standard switches as in the Two-Location diagram above. The 4-way standard switch will have insulated wires connected to four screws plus a ...

ENGLISH FRANÇAIS ESPAÑOL - Eaton

Two 3-way switches on separate circuits. Each 3-way switch controls an independent light in conjunction with another 3-way switch at a different location. ALIMENTATION SÉPARÉE ...

DiMarzio 4-Conductor Pickup Instructions

switch, first wire the pickup to the Dual Sound switch the same way as shown in the Dual Sound instructions; then connect the Dual Sound switch to the phase switch like this: The wire ...

4-way-switch-diagram - buildmyowncabin.com

3-Way Switch 3-Way Switch 3-Wire Romex with Ground (i.e. 12-3) POWER SUPPLY 2-Wire Romex with Ground (i.e. 12-2) 2-Wire Romex with Ground (i.e. 12-2)

Sunnata LED+ Dimmer: STCL-153P - Lutron Electronics ...

(see page 3). Wallplate sold separately Model Number STCL-153P-XX2,3 Single-pole / 3-way 1 STCL-153P-XX-C 2,3,4 Single-pole / 3-way 1 Notes: 1 An additional wiring step is required for ...

Connections are all made using the screw terminals. The ...

The HyperSwitch can replace any standard 3-way, 4-way, or 5-way blade switch, ... Each tone control will have a wire connected to the 5-way switch. If you have one tone control, this wire is ...

Maestro Occupancy sensing switch - Lutron Electronics ...

Works with standard mechanical 3-way switch Works with companion switch, 4 All lighting loads (120 V~ only) Max ... Vertical Beam Diagram 4 ft (1.2 m) 0 10 ft 0 (3 m) 15 ft (4.5 m) 20 ...

Single Pole (One location) or 3-Way (Multi-location) - Leviton

4 3 1 2 4 1 5 3 Single Pole 1. Line (Hot) 2. Neutral 3. Ground 4. Load 3-Way 1. Line or Load (see important instruction below) 2. Neutral 3. Ground 4. First Traveler – note color 5. Second ...

Caséta Wireless In-Wall Switch SPEC (369831)

PD-6ANS-XX 2, 5 Neutral-wire switch 120 V ~ ncndaI scet ne / Halogen 10 W 720
W 720 W 600 W MLV 10 W 720 VA 720 VA 600 VA Fan 0.1 A 3.6 A 3.6 A 3.6 A LED 1
bulb 6 A 6 A 5 A ...

4 Wire 3 Way Switch Diagram

4 Wire 3 Way Switch Diagram

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