14300503 Harmo Series

Wired Inline Switch - Touch

Technical Datasheet

Original Product

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I. Products Overview

What is Ariginal Wired Switch?

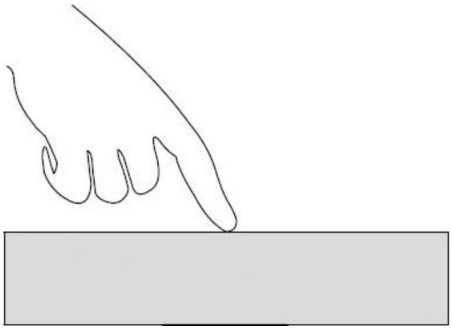
An Ariginal wired switch is a control device directly connected to the lighting system via physical cables. Unlike wireless switches, it relies on electrical wiring to transmit commands for turning lights on/off, dimming brightness, or adjusting color temperature. It's ideal for environments where a reliable, hardwired connection is preferred.

What is Ariginal Wired Inline Switch?

The Ariginal Inline Switch is a wired switch installed between the power source (LED Driver or Distributor) and the LED light, acting as a bridge for individual control, providing a simple and effective way to turn the light on or off without affecting other lights in the system.

What is Ariginal Wired Inline Touch Switch?

The Ariginal Wired Inline Touch Switch uses electrostatic field sensing to activate lights with a simple touch, offering a sleek and durable alternative to traditional mechanical switches. Installed inline between the power source and the light, it allows users to easily turn lights on or off with a simple touch. Its compact design ensures easy integration into various lighting setups, offering a user-friendly and efficient control solution.



Applications:
Recessed or surface-mounted in or under cabinets.

II. Product Code

The descriptions in this document are applicable to the following products only:

Ariginal Wired Inline Touch Switch ("Harmo" Series).

Item Code	Input Voltage	Drill Hole	Control Method	Dimension/mm
14300503	12V/24V DC	Surface-mounted	Touch	44.5*25*8mm

III. Features

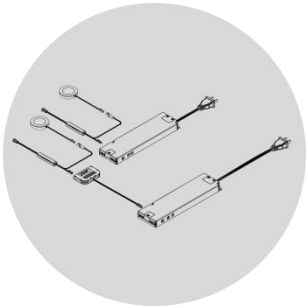
The Ariginal “Harmo” Wired Inline Switch unlocks endless connection possibilities, empowering users to explore and discover their own way of configurations.

A switch with infinite connection gameplays.

Its main features include:

❶ A Switch that bridges power and light.

Two connectors, one for power, one for lighting.

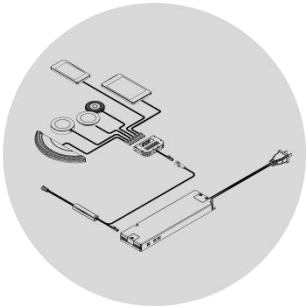


The Ariginal “Harmo” Series Wired Inline Switch features two distinct connectors: one connects to the power source, while the other links directly to your LED lights, like a bridge to joint the two electrical parts.

With the built-in sensor positioned between the two connectors, Harmo allows you to control each light individually, providing precise and customizable lighting management for any environment.

❷ There is always a new gameplay.

Get power from LED Driver, distributor or more.

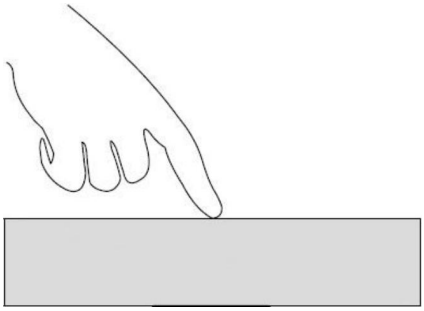


With the Ariginal Harmo Wired Inline Switch, you can tap into a world of possibilities. Its power connector effortlessly connects to a variety of sources—LED drivers, distributors, receivers, and beyond. This adaptability empowers you to configure your lighting system in innovative ways, ensuring your setup is as dynamic and versatile as your imagination.

Users can continually discover and develop new gameplay and innovative configurations for their lighting systems.

❸ Automatic touch control.

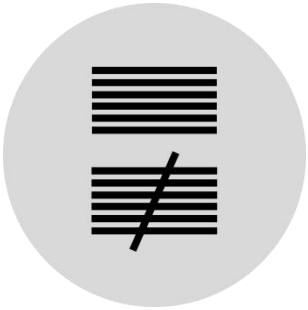
Lighting control is at your fingertips.



“Harmo” offers a simple and intuitive control experience. A single touch turns the light on or off, while a touch and hold function allows you to smoothly dim or brighten the light to your desired level.

❹ Optional control logic.

Sync, or async, it’s up to you.



With the Ariginal Harmo Wired Inline Switch, you have the power to choose how your lighting operates. Opt for synchronized control, allowing all lights to turn on, off, or adjust brightness simultaneously with a single Harmo unit. Alternatively, use distributors to manage your lights

This design provides easy, precise control, and only consumes power when it's needed.

asynchronously, giving you the flexibility to control each light independently at different times.

❺ Uniformed body and connectors.

Installation is markedly simplified.

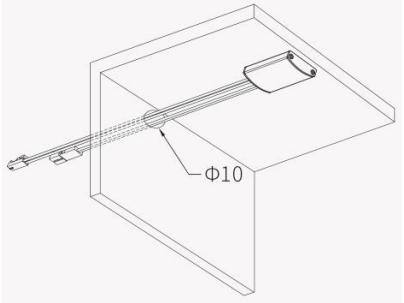
"Harmo" features a uniform body and connectors, with both the detector and processor integrated into the same high-quality aluminum housing.

This seamless design ensures durability, reduces the risk of interference, and enhances the overall aesthetic of the switch.

By housing both components together, it not only provides a sleek and modern look but also improves the reliability and functionality of the switch, offering a smooth and stable performance for controlling your lighting..

❻ Optional mounting type.

Recess or surface mounting, simultaneously supported.



The Ariginal Harmo Wired Inline Switch provides flexible mounting options to suit your preferences.

Recessed mounting enhances aesthetics by allowing the switch to blend seamlessly into your space, creating a clean and unobtrusive look.

On the other hand, surface mounting is designed for ease of installation, made possible by an additional surface-mounting base included in the package.

Whether you prioritize style or simplicity, Harmo has you covered, allowing you to achieve the perfect balance in your lighting setup.

❼ Aesthetics is brought to a higher level.

The detector is so small that it does the job without noticing.

"Harmo" elevates your lighting aesthetics with its discreet design, thanks to its incredibly compact detector that seamlessly integrates into any environment without drawing attention.

This minimalist approach allows you to enjoy the functionality of advanced lighting control while maintaining a clean, uncluttered look in your space, enhancing the elegance without compromise.

❽ Sensitive and reliable.

100% responsive, with no delay.

Unlike infrared (IR) sensors, which can be affected by environmental factors, the "Harmo" touch sensor offers a much more precise response.

Whether you touch it quickly or slowly, it consistently activates with accuracy and reliability. This ensures a seamless user experience, providing dependable control every time, no matter the speed or pressure of your touch.

❾ Plug and Play.

Disconnect and reconnect the power and light as many times as you like.

“Harmo” embraces a user-friendly design with its plug-and-play functionality. You can easily disconnect and reconnect the power and light whenever you need, allowing for effortless adjustments or maintenance without hassle.

The universal Dupont connector adopted by “Harmo” realizes seamless compatibility with third-party LED drivers and LED lights, extending your choices and reducing your inventory.

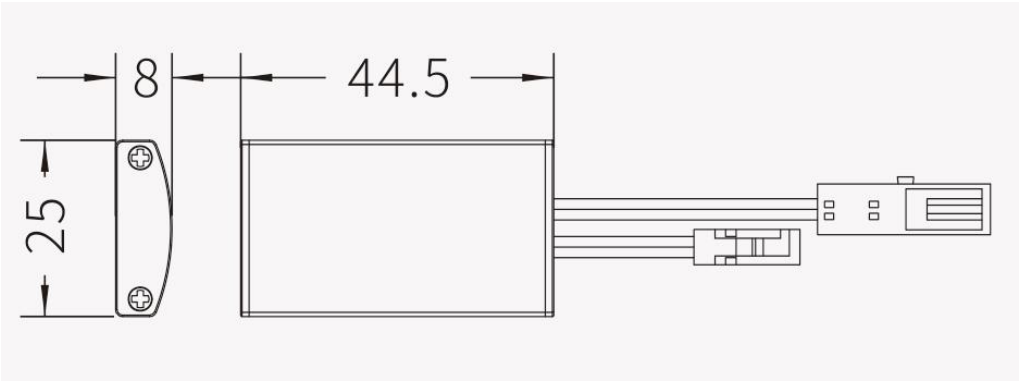
❿ Works with both 12V and 24V.

One switch handles both 12V and 24V systems.

“Harmo” is designed for ultimate convenience, allowing you to use a single switch for both 12V and 24V lighting systems.

This compatibility eliminates the need for multiple switches, so whether you're working with a 12V setup today or fitting with a 24V system in the future, you can rely on the same Harmo switch to provide consistent performance.

IV. Dimensions & Structures



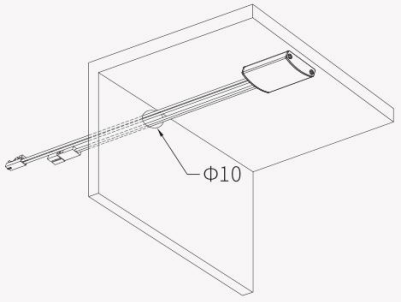
No.	Picture	Structure name
1	See above	Sensor body (detector and processor inside)
2	See above	Wire (body to LED Driver)
3	See above	Wire (body to LED Light)
4	See above	DuPont female connector (connect LED Light)
5	See above	DuPont male connector (connect LED Driver)

V. Specifications

Parameter	Value
Input voltage:	12VDC/24VDC, both supported
Output voltage:	12VDC, 24VDC, both supported
Output current:	3A max.
Static working current:	6mA
Functions:	Touch to turn on/off lights, touch and hold to adjust brightness.
Detection distance:	Contact
Time delay:	0 seconds
Installation:	Recessed/Surface-mounted, optional
Waterproof rating (IP)	IP20
Dimensions (sensor body):	44.5*25*8mm
Dimension (drilling hole)	Φ10mm the wiring.
Connection cable length (to power)	1000mm
Connection cable length (to lamp)	1000mm
Connection cable assembling	Wire (sensor body to power and light) is pre-assembled in factory.
Materials:	Aluminum
Product color:	Iron gray typ.
Operating temperature (C °)	-20～45 °C
Warranty period:	5 years

VI. Installation

How to install (surface-mounting) Ariginal Wired Inline Dual-Door Switch?



Step 1: Clean the Mounting Surface
Before starting, clean the surface where the switch will be installed to ensure proper adhesion. Make sure it is free from dust, grease, or other contaminants.

Step 2: Peel and Stick the Adhesive
Peel off the backing from the double-sided adhesive on the back of the sensor. Carefully align the sensor in the desired position on the surface (such as the wood panel or cabinet). Press firmly to ensure the adhesive sticks securely.

Step 3: Route the Wires
Carefully route the wires from the sensor through the desired path. Be mindful of the cable to avoid pinching or damaging it during the process.

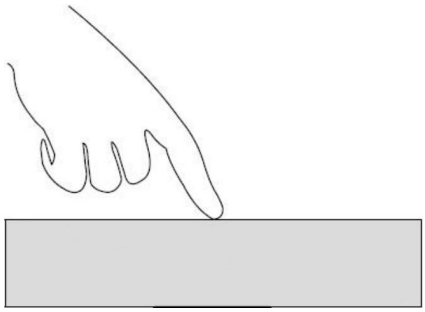
Step 4: Connect the Wires
Connect the DuPont male connector to the LED driver and the DuPont female connector to the LED light. Make sure the connections are secure.

Step 5: Power Up and Test
Power up the system and test the sensor by touching the surface to activate the light. The sensor should respond to touch by turning the light on or off.

Additional Tips:
- Positioning the Sensor: Make sure the sensor detector is positioned in a location where it can easily detect hand movements, such as near the edge of the cabinet or furniture panel.
- Wire Management: Use cable clips or zip ties to neatly organize any excess wires behind the panel, ensuring that everything stays tidy and secure.
- Testing Before Final Assembly: It's always a good idea to test the connections and functionality of the switch before fully assembling or securing everything in place.
- Installation Position: Place the sensor where it can detect movement effectively. Avoid placing it behind objects or in corners where movement may not be detected.

VII. Usage

The Ariginal Wired Inline Touch Switch uses motion sensing to automatically control the lights. This guide explains how to use the Touch sensor for optimal performance.



Turning the Light On/Off:

Tap the surface of the sensor to turn the light on or off.

Adjusting Brightness:

To adjust the brightness, touch and hold the surface of the sensor. The light will gradually dim or brighten based on how long you hold your finger on the sensor. Release your finger when the desired brightness is reached.

Maintenance & Care:

Keep the sensor clean by gently wiping it with a soft, dry cloth.
Avoid using harsh chemicals or abrasive materials that could damage the sensor's surface.
Ensure the installation area remains free from excessive moisture and dust.

Troubleshooting:

Sensor not responding:
Check the power connections to ensure the LED driver and lights are properly connected.
Verify that the sensor is securely mounted and the wiring is intact.
Ensure that the sensor's touch surface is not obstructed or dirty.

Intermittent Response:
Clean the touch surface with a dry cloth to remove dirt or buildup.
Check the installation to ensure proper wiring and connection.

Summary:

The Ariginal Wired Inline Touch Switch provides hands-free, energy-efficient lighting control. It automatically turns the lights on when motion is detected and off after a set time delay when there is no further movement, offering seamless operation for a wide range of applications like hallways, bathrooms, and kitchens.

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