ANIGMO

Double Touchless switch

Double Touchless switch with 2x8A relay output
Models: AED-2000-D1H , AED-2000-D1V

Important notes

CAUTION:

1. Read and understand these instructions before installing device. Before installing this unit, disconnect power at circuit breaker or remove fuse to avoid shock or damage to the unit. This device is intended for installation with local regulations. It is recommended that a qualified electrician perform this operation
2. Do not install in combination with standard 3-Way switches or third party remote (slave) unit. Use only in combination with Anigmo remote (slave)unit.
3. Installation of this switch in proximity of strong EM interference such as (and not limited to) electrical welding machines, inadequately shielded power supplies, radars etc. could cause inadverted switch activity.
4. This switch may not be used in any application in which the inadvertently changing the switch state could create a situation where personal injury, death or property damage may occur.
5. This unit requires a neutral connection
6. Do not exceed maximal rated current of the unit

Warranty

All products sold or distributed by Anigmo or any of its subsidiaries are guaranteed to be free from defects in materials and workmanship for the period of 5 years. This warranty shall extend to the original end purchaser only. Anigmo, at its option, shall repair or replace any Anigmo product within the Terms of Warranty expressed herein, which fails to meet the product's specifications.

This warranty does not extend to product failures or defects caused by, or associated with, but not limited to; failure to install or maintain correctly, unsuitable physical or operating environment, accident, force majeure, hazard, misuse, electrical supply, unauthorised repair, modification or alteration.

Anigmo will not accept any liability or responsibility under the terms of warranty expressed herein for, but not limited to; negligence, loss of profit or data or damages either material or personal. Mandatory liability shall be restricted to the sum equal to the purchase of the product.

This product may be protected by following patents US 7.531.921, EP 2.038.906, US20090284182, US 8.339.062, EP 2.292.078
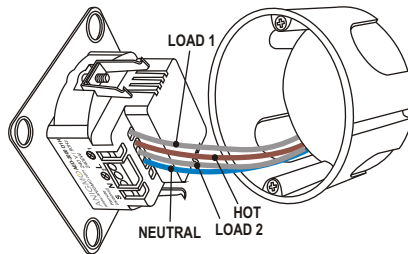
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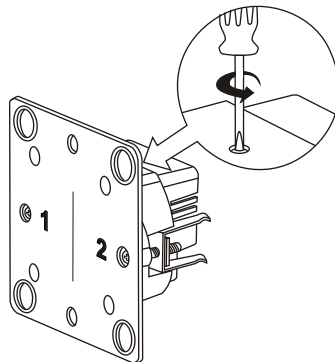www.anigmo.com
email: support@anigmo.com

INSTALLATION

1. WARNING: Turn power OFF at circuit breaker or remuve the fuse

2. Connect wires as shown. Refer to wiring diagrams.

LOAD 1
NEUTRAL
HOT
LOAD 2

3. Before installing the unit into a wallbox, set the desired sensor range if needed.
   NOTE: The unit is supplied with its sensing range set to maximum (about 10 cm).
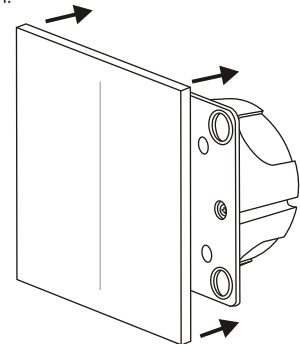

4. Mount the unit into wallbox using claws. Align before tightening the claw screws
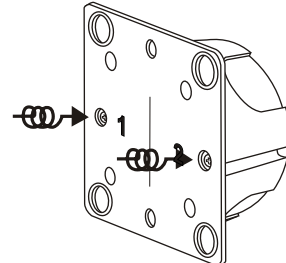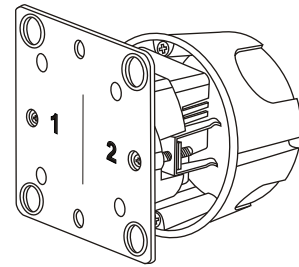
If mounting with screws, first remove both claws, complete with nuts and screws. Fix the unit with provided screws only.
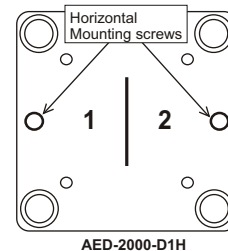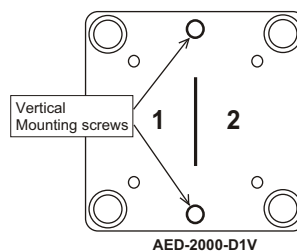
5. Attach decorativeswitchplate. Allign magnets on the back of the switchplate with magnets on the unit and push.
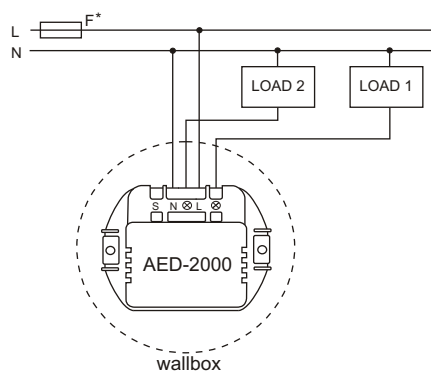

6. Restore power at the circuit breaker

ORIENTATION

When mounting the double switch be careful to align it with the intended position of both switches. If you are mounting the switch with claws, just rotate it to the desired position. If it is mounted using screws, examine the wall box to determine mounting screw position and purchase the correct part (either vertical or horizontal version)

Vertical Mounting screws

AED-2000-D1V

Horizontal Mounting screws

AED-2000-D1H

WIRING DIAGRAM

L
N
F*
LOAD 2
LOAD 1
S N L
AED-2000
wallbox

Load rating:
240V AC / 50Hz
8A max

* Connect only to mains protected with fuse rated 8A or less.

AED-2000-D1 TOUCHLESS DOUBLE SWITCH OPERATIONAL MANUAL

AED-2000-D1 incorporates two separate controllable switches, that can switch various loads, including Incandescent, Halogen, Low voltage Halogen, LED, CFL, and linear fluorescent lamps. When AED-2000-D1 is connected and powered up, the lights can be turned on by moving the hand in front of the switch plate sensing area. The switch has two sensing areas, separated by a line on the switchplate. When the hand enters the switch sensing range, the appropriate lights will turn on. The hand should then move out of the sensor range. When the hand enters the switch sensing range again, the lights will turn off. Each time the hand enters the sensing range, the switch will change its on/off state. If the hand remains inside of the switch sensing range, no switch state change will occur.

Switch plate can be removed and replaced at anytime, without first switching the power off at the fuse. But when removing the switch plate please note, that the switch will enter the calibration cycle whenever the switch plate is removed, attached or moved. The cycle will last for about 1-2 minutes during which the switch will be unresponsive.
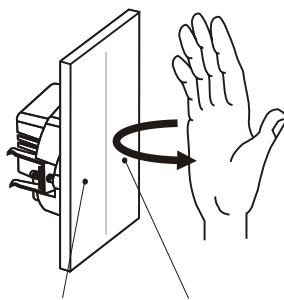
NOTE: When the power is supplied to the switch, its state will always be in "off" position, regardless of its state when it was powered down.

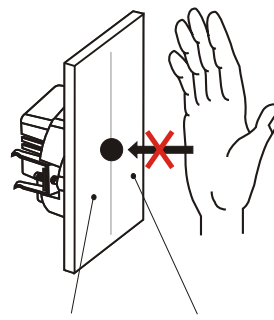**Turn the lights on and off:**
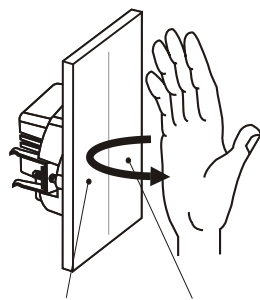
Sensing area 1   Sensing area 2

Whenever the hand enters the first sensing range in front of the switchplate, the first light turns on/off

Sensing area 1   Sensing area 2

Whenever the hand enters the second sensing range in front of the switchplate, the second light turns on/off

Sensing area 1   Sensing area 2

Approaching the middle of the sensor area (between sensing area 1 and sensing area 2) or covering both sensing surfaces at the same time will not activate any of the switches. Only one switch can be acttivated at a time

Note: Touchless switch with attached switchplate is depicted in above examples. The switch mechanism is visible in the images for clarity, but with typical installation it would be hidden inside the wallbox and only the switchplate would be visible on the wall surface.

Troubleshooting

SYMPTOM	POSSIBLE CAUSE	SOLUTION
The light doesn't turn on	Faulty wiring	Check if the switch is connected according to the connection diagram. Checkif the fuse is turned on after connecting
	Faulty light bulb	Check the lightbulb and replace if necessary.
The switch doesn't react to hand movement	Switch entered the calibration mode	If the switchplate is exchanged, moved, removed or re-attached, the switch automatically enters the calibration mode, during which it does not react on any hand movement. Wait for approx. 1-2 minutes for the dimmer to complete the cycle.
Switch operation is inconsistent (it doesn't react consistently to the hand movements)	Close proximity of moving objects	Switch sensor reacts to any moving object in the sensing range that is large enough. Check if any object close to the sensor can move into or close to the sensor range (such as: curtains, hanging wires, ropes or wall decoration). Check if the switch plate is securely fixed. Moving switch plate even slightly can cause unreliable switch operation.
	Unshielded or poorly shielded transformers or power supplies near the switch, switch wiring or as a switch load.	Poorly shielded transformers, drivers and power supplies can cause excessive EMI (electromagnetic interference), that can cause unreliable switch operation. Use only certified and properly shielded power supples. Reduce sensing range to decrease sensibility
Difficult to switch the lights on	Connected light has a dead time before switching on	Some light sources, especially flourescent lights have a significant delay between the moment the power is applied to them and the moment the light turns on. This delay can be several seconds in length. Due to this delay, no light will be emitted from the light source at the moment the user turns the switch on. User unfamiliar with this behaviour could falsely think that the switch didn't react to their "on" command and try to activate the switch again. But this second motion would in fact turn the switch off. To resolve this, turn the switch on and wait for couple of seconds. Listen to discrete click sound from inside of the switch, indicating the switch has actually turned on. Alternatively, use the switch version with sound feedback option.