

ANIGMO

Directional Touchless switch (for blinds)

Directional Touchless switch with 2x450W relay output
Models: AED-2000-D2H, AED-2000-D2V

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 inadvertent 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

Contact

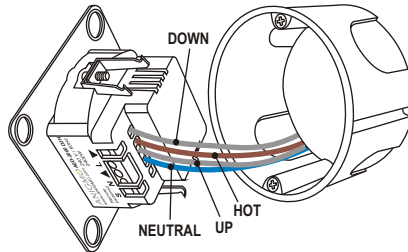
ANIGMO
Anigmoteh d.o.o.
Tehnoloski park 21
1000 Ljubljana
Slovenia, Europe
www.anigmo.com
email: support@anigmo.com

INSTALLATION

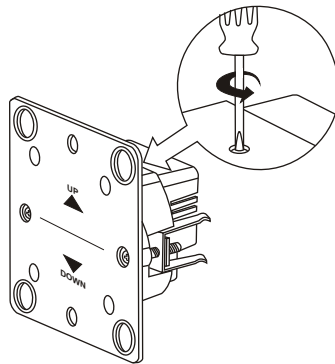
1. **WARNING:** Turn power OFF at circuit breaker or remove the fuse



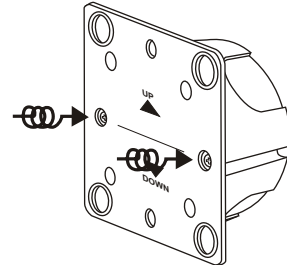
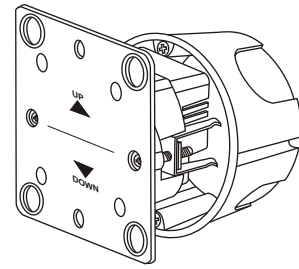
2. Connect wires as shown. Refer to wiring diagrams.



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).

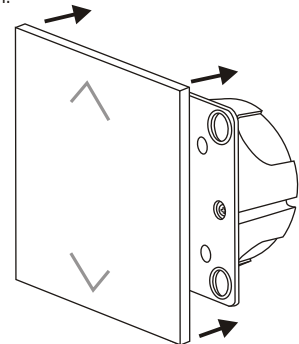


4. Mount the unit into wallbox using claws. Align before tightening the claw screws



If mounting with screws, first remove both claws, complete with nuts and screws. Fix the unit with provided screws only.

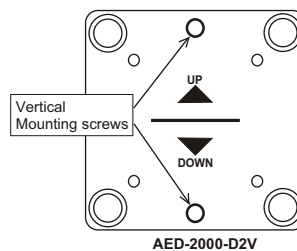
5. Attach decorative switchplate. Align magnets on the back of the switchplate with magnets on the unit and push.



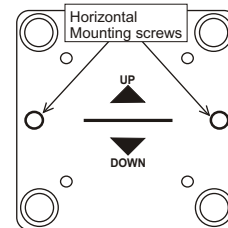
6. Restore power at the circuit breaker

ORIENTATION

When mounting the directional switch be careful to align it with the intended detection direction. 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). The labels on the switch indicate UP/DOWN direction, but the directional switch can also be mounted on its side, detecting LEFT/RIGHT movements.

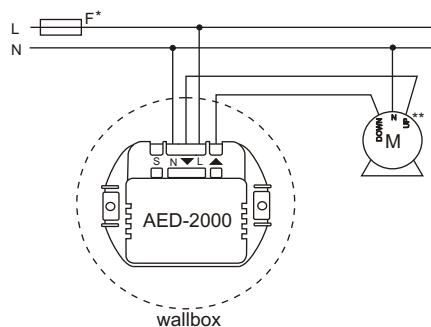


AED-2000-D2V



AED-2000-D2H

WIRING DIAGRAM



Load rating:
240V AC / 50Hz
450W max

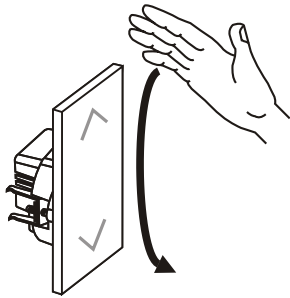
* Connect only to mains protected with fuse rated 8A or less.

**Please consult blinds connection diagram for connecting the blinds motor

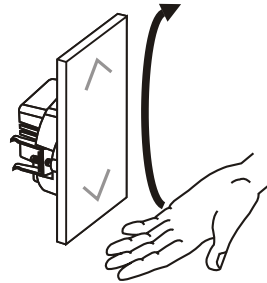
AED-2000-D2 TOUCHLESS DIRECTIONAL SWITCH OPERATIONAL MANUAL

AED-2000-D2 incorporates two relay outputs that can switch various load but primarily motorised blinds or shades. When AED-2000-D2 is connected and powered up, the blinds can be controlled by moving the hand in front of the switch plate sensing area in upward or downward direction. When the hand is moved in upward direction, UP relay activates. It remains activated for 40s or until another move of the hand stops it. When the sensor detects movement in downwards direction, DOWN relay activate.

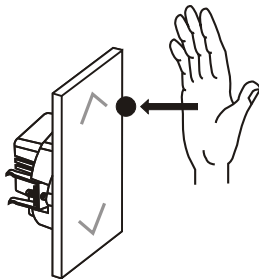
While one of the outputs is active any other move in front of the sensor deactivates the output. If the hand is held on top or bottom part of the sensor for longer than 1s, corresponding relay activates and remains active until the hand is moved out of the area.



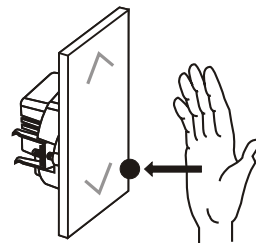
If both outputs are inactive, moving the hand in front of the sensor in the downward direction activates DOWN relay for 40s time. UP relay remains inactive.



If both outputs are inactive, moving the hand in front of the sensor in the upwards direction activates UP relay for 40s time. DOWN relay remains inactive.

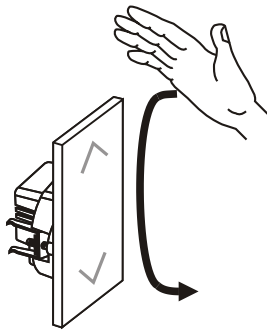


Holding the hand in front of the top half of the switch for more than 1s, UP relay activates. It remains active as long as the hand remains in front of the top part of the switch. DOWN relay remains inactive.



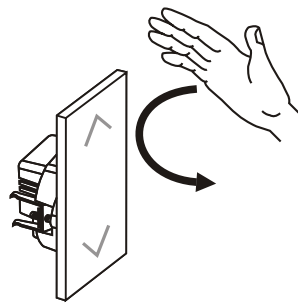
Holding the hand in front of the bottom half of the switch for more than 1s, DOWN relay activates. It remains active as long as the hand remains in front of the bottom part of the switch. UP relay remains inactive.

Correct directional hand gestures



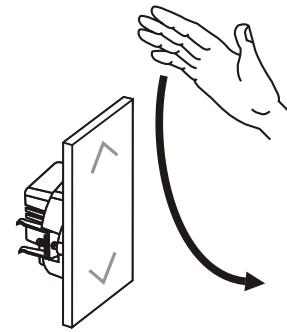
Correct ✓

The hand moves across the entire sensor surface while staying in the sensor range.



Wrong ✗

Hand movement is not entirely in front of the sensor surface. Hand should move across the entire length of the sensor.



Wrong ✗

Hand movement is not in the sensor range while moving it across the sensor.

Troubleshooting

SYMPTOM	POSSIBLE CAUSE	SOLUTION
The relay does not activate	Faulty wiring	Check if the switch is connected according to the connection diagram. Check if the fuse is turned on after connecting
	Faulty motor	Check the blinds motor 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.