TECHNICAL DATA SHEET

sensinova ®
motion on

NEO E15 DD
(Wardrobe Sensors - DC)

Features :

1. Two Operating Modes - Use it as Door Sensor or Wave Switch.
2. Soft/smoothON and OFF
3. Auto OFF/Energy Saving in case of door open for 3Minutes – Door Sense Mode
4. Dimming Option – for Wave Switch Mode
5. Memory Function – for Wave Switch Mode
6. Reverse Polarity Protection
7. Increased Sensing Length – for Door Sense Mode

The NEO E15 DD Wardrobe Sensor offers innovative convenience and energy efficiency for wardrobe and cabinet lighting. With two modes - Door Sense and Wave Switch - it activates lighting without physical contact, detecting door movements or gestures. It is an ideal addition to modern homes, enhancing the functionality of wardrobes, kitchen cabinets, and other storage areas.

TECHNICAL SPECIFICATION

Input Power Supply	12V/24V DC
Maximum Current Rating	6A
Maximum Switching capacity	144W @24V DC | 72W @12V DC
Sensor cable length	100 cm
Operating Modes	Door sense mode | Wave switch mode
Sensing Distance	12-17cm*(Note-1) in Door sense mode | 4-6cm* (Note-1) in wave switch mode

Note 1: The sensing distance may vary in the specified range based on the reflective nature of the surface in front of the sensor. It is recommended to use the round reflector sticker given along with the sensor to get the optimum range.

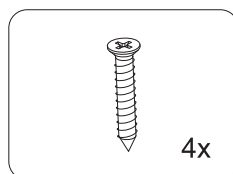**Note 2:** Default mode when you open the box will be door sense mode.

DUAL MODE NEO E15

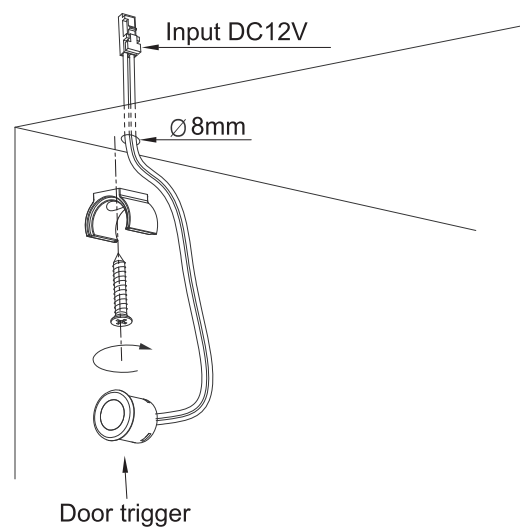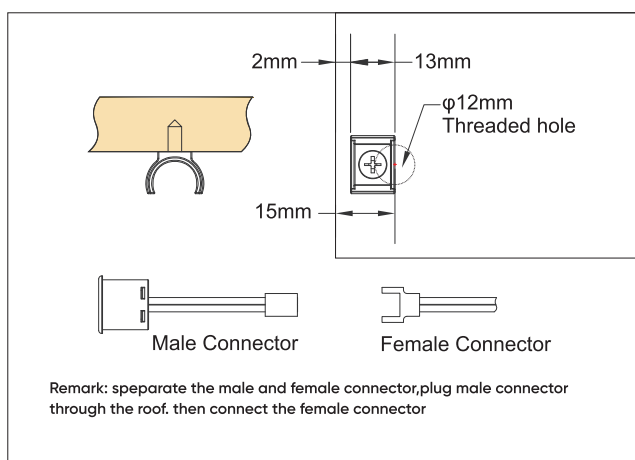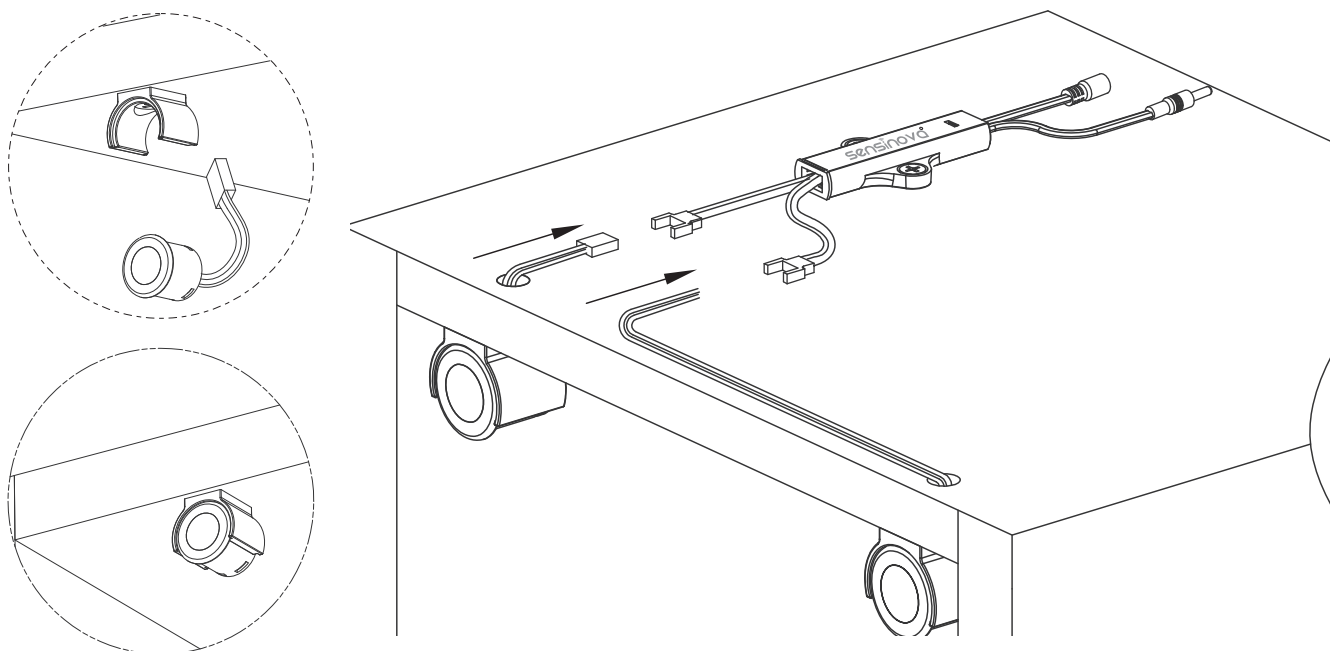DOOR SENSE MODE

WAVE SWITCH MODE

INSTALLATION

4x

(Screw)

1.Installation way one: as shown below,fix the clip, then make a threaded hole 12mm,Plug male connector through the roof.Then connect the female connector, fix switch to the clip. fix switch controller to the roof.

For the first method of installation:

1) Attach the clip as indicated in diagram (1),

2) Drill a threaded hole with a diameter of 12mm.

3) Poss the male connector through the hole from above the roof as shown in diagram (2).

4) Connect the female connector to the male connector as shown in diagram (3).

5) Secure the Neo sensor to the clip as shown in diagram (4).
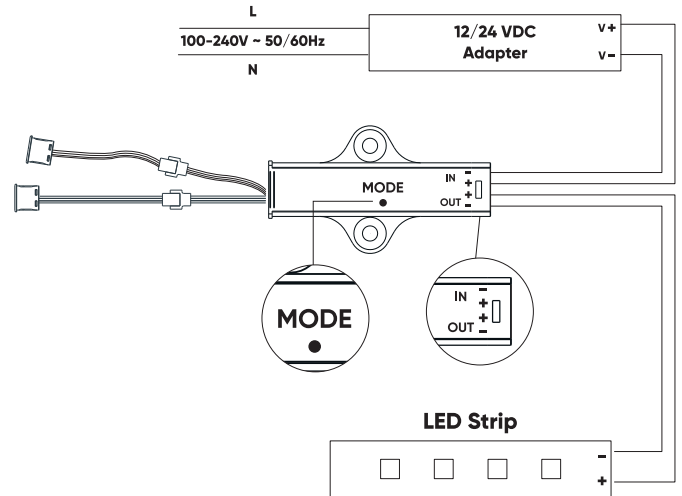
6) Attach the Neo controller to the roof.

2mm

13mm

φ12mm
Threaded hole

15mm

Male Connector

Female Connector

Remark: speparate the male and female connector,plug male connector
through the roof. then connect the female connector

Input DC12V

∅ 8mm

Door trigger

CONNECTION INSTRUCTION

1.OUT
a. Connect your LED +VE to OUT -"+n marking wire
b. Connect your LED -VE to OUT u_,, marking wire
2. IN
a. Connect your SMPS/Adapter +VE to IN"+" marking wire
b. Connect your SMPS/Adapter -VE to IN .. _n marking wire

FEATURES

1. Double Door Function

2. Two Way ON-OFF - For Wave Mode

3. Two Operating Modes - Use it as Door Sensor or Wove Switch.

4. Soft/smoothON and OFF

5. Auto OFF/Energy Saving in case of door open for 3Minutes -Door Sense Mode

6. Dimming Option - for Wave Switch Mode

7. Memory Function - for Wave Switch Mode

8. Reverse Polarity Protection

9. Increased Sensing Length - for Door Sense Mode

DETAIL INFORMATION OF FEATURES

1. Double Door Function:
The light will stay on as long as either one of the doors is open. It will only switch off when both doors are closed.
This is ideal for sliding door closets.

2, Two way ON-OFF for Wave Mode:
Lights can be turned on or off by waving your hand in front of any sensor, functioning as a two-way switch.

3. Two operating Modes:
There are two operating modes which are Door sense mode and Wave switch mode. Door
sense mode is used for wardrobes and wave switch mode is used for general switching purpose. Please check separate
section for process to switch the modes.

4. Soft ON/OFF:
There is Soft/smooth LED ON/OFF in both the modes which is visually Appealing and more comfortable for the eyes
which creates soothing atmosphere which is more preferred in ambient lighting, mood lighting and interior lighting.

5. Auto OFF/Energy Saving:

In case of door sense mode, this feature saves the energy by automatically switching off the light after 3 minutes in case someone forgets to close the door. Light can be again turned on by closing the door once and opening it again.

6. Dimming Option For waw Switch Mode:

This feature will allow user to adjust the brightness of light from 0% - 100%. This feature is mainly incorporated to create different moods and to save energy.

7. Memory Function - For Wave Switch Mode:

This model features built-in memory, allowing it to resume operation from its previous state in the event of a power outage. For example, if the model is in wave SWitch mode and set to half brightness when the power is restored, it will resume at the same half brightness level. In other case if product is in Door Sense mode, it would be in the same mode once the power Is restored.
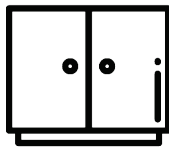
8. Reverse Polarity Protection:

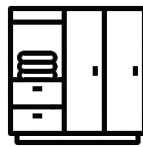This feature would protect the product and load against accidental wrong connection.

9. Increased Sensing Length - For Door Sense Mode:

This model has best In class sensing length of 12-17cm In Door Sense Mode. This gives the user more flexibility in installation

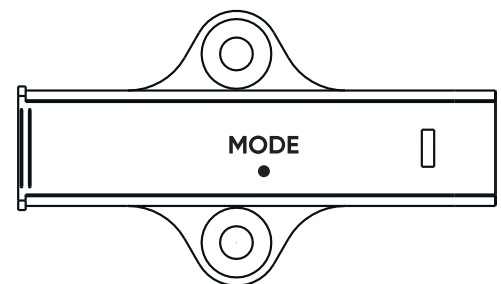## APPLICATIONS

Cabinet   Wardrobe   Kitchen

HOW TO CHANGE THE MODEL

Press and hold the mode switch (marked as 'MODE') for 5 seconds. The LED light you connected will blink twice to indicate that the mode has changed.

MODE

HOW TO CHANGE DIMMING LEVEL - FOR WAVE SWITCH MODE

In wave switch mode, user need to keep the hand in front of sensor to vary the brightness from highest (100%) to lowest (10%) and off/reset (0%). Brightness con be set to full (100%) again by waving the hand after the brightness has been adjusted to 0% (off)