



# Installation Guide

Smart Switch Panel

OV-SP2-12-20-WI

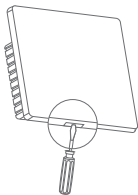
**Congratulations** on your purchase of Orvito Smart Switch Panel™. To enjoy the convenience and luxury of a true Smart Home, please read through the user manual carefully on [www.orvito.com/usermanual](http://www.orvito.com/usermanual). Orvito Smart Switch Panel™ enables the future way of controlling your light and home appliances. Our commitment to quality and innovation helps us build state-of-the-art products.

## Installation Steps



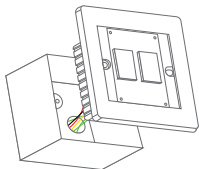
Turn off main power supply

### Step 1



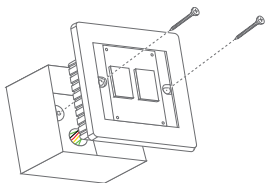
Un-box your Switch Panel and insert a flat screw-driver into one of the notches marked by the circle and twist slightly. Do this for rest of the notches to detach top-glass fixture from casing.

### Step 2



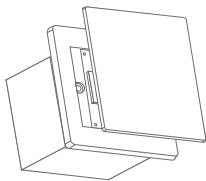
Follow the wiring diagrams given in figures 1 to 5 and wire your Switch Panel.

### Step 3



Match screw positions on the Switch Panel to the fixing holes of concealed metal box. Insert a 3" screw (provided in the box) and tighten using screw-driver.

### Step 4



Attach top glass panel to casing.

**Voila!** Your installation is now complete. Start controlling your lighting & electrical appliances using Orvito Smart Switch Panel™.

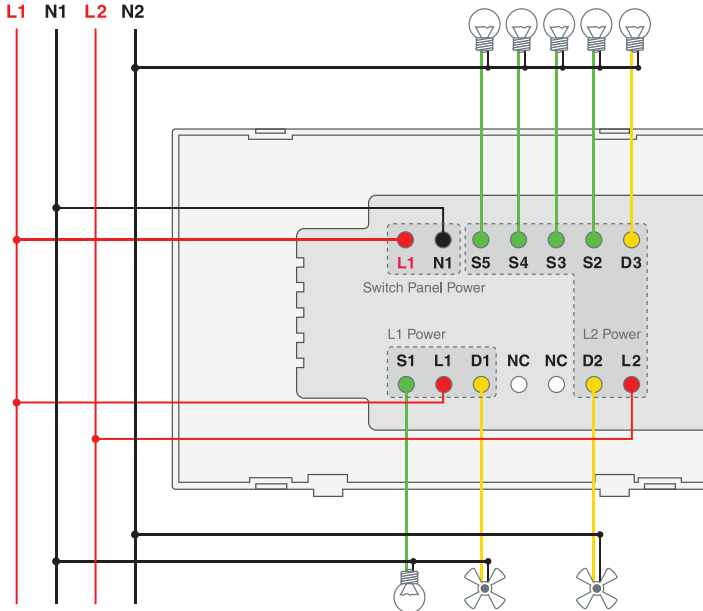
You can also control your appliances using your smartphone, tablet, remote control or PC. Just setup your Smart Hub, download Orvito app from iTunes / Play store and get started!

**Figure 1 - 8 Gang Switch Panel - Wiring Diagram**

**L1 & N1** - UPS Power

**L2 & N2** - Raw Power 5A

**L1 N1 L2 N2**



For legends please refer to page no 9

**Figure 2 - 8 Gang Switch Panel - Wiring Diagram for Curtain (Motor) Control**

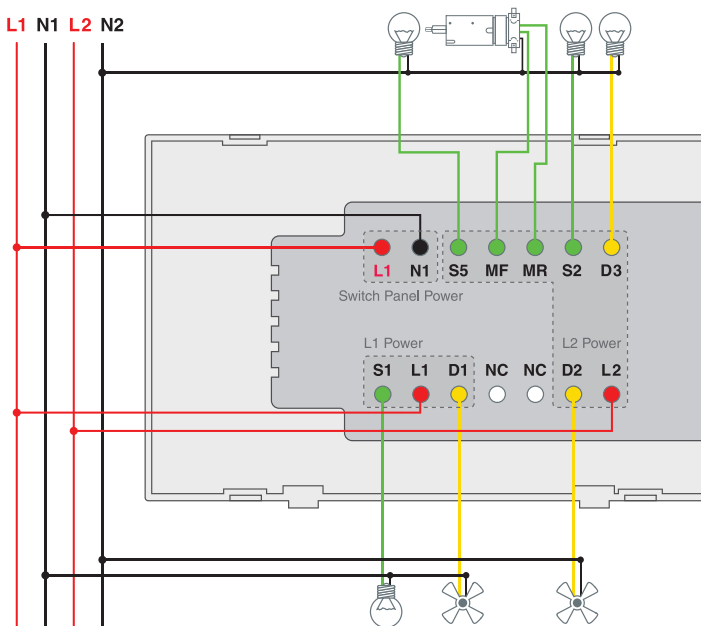
**L1 & N1** - UPS Power

**L2 & N2** - Raw Power 5A

**MF** - Motor Forward

**MR** - Motor Reverse

**L1 N1 L2 N2**

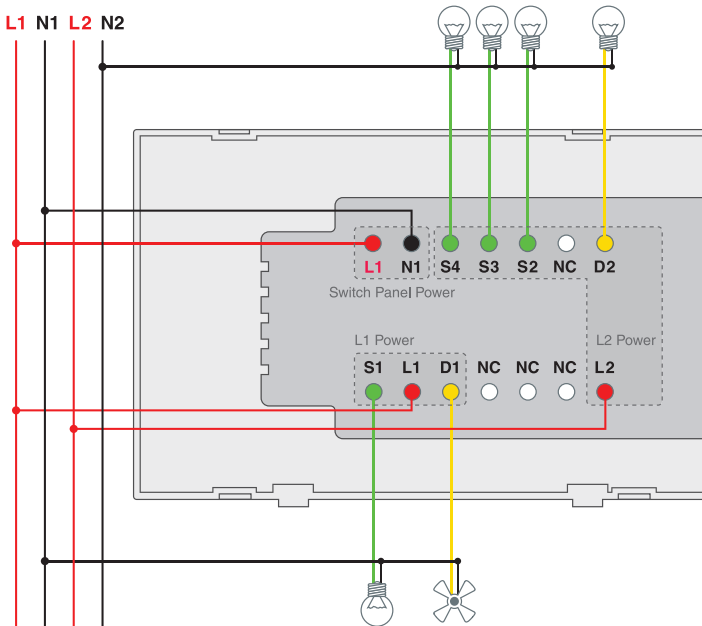


For legends please refer to page no 9

**Figure 3 - 6 Gang Switch Panel - Wiring Diagram**

**L1 & N1** - UPS Power

**L2 & N2** - Raw Power 5A

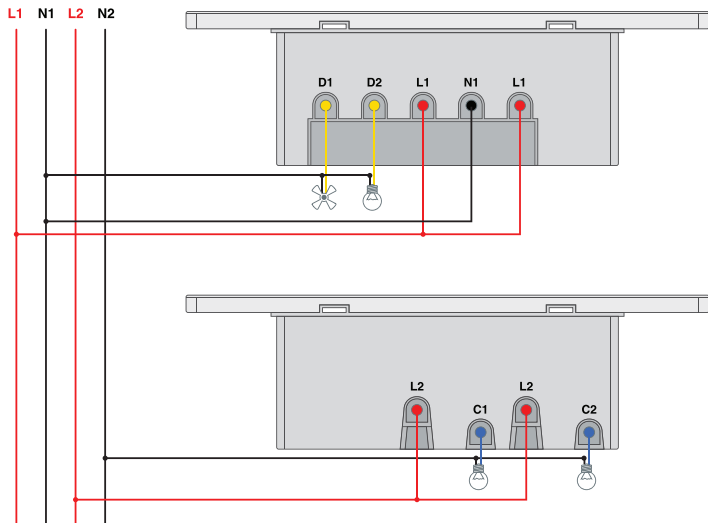


For legends please refer to page no 9

**Figure 4 - 4 Gang Switch Panel - Wiring Diagram**

**L1 & N1** - UPS Power

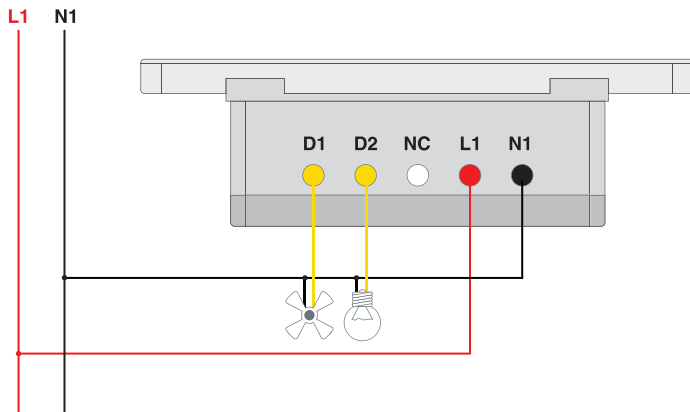
**L2 & N2** - Raw Power 16A




For legends please refer to page no 9

**Figure 5 - 2 Gang Switch Panel - Wiring Diagram (OV-SP2-12-20-WI)**

**L1 & N1 - UPS Power**



- |   |  |   |
|---|--|---|
|  <b>L</b> → Live Wire      |  <b>S</b> → 5 A On/Off    |  <b>D</b> → Dimmers          |
|  <b>N</b> → Neutral Wire |  <b>C</b> → 16 A On/Off |  <b>NC</b> → Not Connected |

# Specifications

Part Number	<div>OV - SP2 - 1 2 - 2 0 - WI</div> <div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div> <div><div>1</div> Orvito Prefix</div> <div><div>2</div> Switch Panel Prefix</div> <div><div>3</div> Number of Nodes [2, 4, 6 &amp; 8]</div> <div><div>4</div> Switch Panel Version</div> <div><div>5</div> Power Supply [1: 110V &amp; 2: 230V]</div> <div><div>6</div> Number of Dimmers [1, 2 &amp; 3]</div> <div><div>7</div> Occupancy Detector [0: Not Available &amp; 1: Available]</div> <div><div>8</div> Interfaces [WI: Wi-Fi , NW: No Wi-Fi &amp; WR: Wi-Fi with IR]</div>																							
User Interface	Manual: Touch-based Remote: Through Smartphone/Tablet/Orvito Cloud /Remote Control using OHI™ apps or Orvito Cloud account																							
Appliance Control	On/Off for 5 A, 16 A and dimming for 5 A																							
Communication	Wi-Fi®, IR																							
Power Inputs	85-265 V AC, 50/60Hz																							
Dimensions	<table><tr><th>Switch Panel Module</th><th>Length</th><th>Width</th><th>Depth</th></tr><tr><td>SP2</td><td>85.42mm</td><td>85.42mm</td><td>35mm</td></tr><tr><td>SP4</td><td>160.7mm</td><td>99.2mm</td><td>50mm</td></tr><tr><td>SP6</td><td>251.6mm</td><td>105.2mm</td><td>42.5mm</td></tr><tr><td>SP8</td><td>251.6mm</td><td>105.2mm</td><td>42.5mm</td></tr></table>				Switch Panel Module	Length	Width	Depth	SP2	85.42mm	85.42mm	35mm	SP4	160.7mm	99.2mm	50mm	SP6	251.6mm	105.2mm	42.5mm	SP8	251.6mm	105.2mm	42.5mm
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SP6	251.6mm	105.2mm	42.5mm																					
SP8	251.6mm	105.2mm	42.5mm																					
Environmental Requirements	Operating Temperature: -40° C to +70° C																							
Software	Orvito Nucleo™ 1.0																							
Casing	Fire resistant, Shock resistant																							

## Guarantee

By this customer guarantee, Orvito guarantees the product to be free from defects in material and workmanship for a period of 18 months from the time of its original purchase.

However, the guarantee covers only those defects that arise as a result of the normal use of the product, and does not apply to any:

- ✦ Improper and inadequate maintenance
- ✦ Software and interfacing not supplied by Orvito
- ✦ Unauthorized modification and misuse
- ✦ Operation outside the product's environmental specifications
- ✦ Defects arising due to repair done by unauthorized dealers or customer himself
- ✦ Periodic maintenance of the product
- ✦ Transport costs, home service transport cost and all risk of transport relating directly or indirectly to the guarantee of the product

Orvito reserves the rights (at its sole discretion) to replace spare parts of defective product or replace the product.

This guarantee will be granted only when the original invoice or sales receipt (indicating the date of purchase, product type and dealer's name) is presented together with the defective product. Orvito reserves the right to refuse free-of-charge guarantee service if the above document cannot be presented or if the information contained in it is incomplete or illegible.

This guarantee does not affect the customer's statutory rights under applicable national laws in force, nor the consumer's rights against the dealer arising from sales/purchase contract.





For more information visit [orvito.com](http://orvito.com)

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Please recycle Orvito's 100% recyclable packaging box.



**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC RF Radiation Exposure**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

For customer care contact details please log on to [www.orvito.com/support](http://www.orvito.com/support) or mail us at [support@orvito.com](mailto:support@orvito.com)