

## SMART DEVICES



### Quick Links

[Product Overview](#)

[Product Features](#)

[Technical Specification](#)

[Dimensions](#)

[Installation](#)

## Product Description

### Product Overview :-

**Description:** A smart automation solution to control dimmable lights, fans, standard loads, and heavy appliances like ACs, geysers, and refrigerators. Smart Devices can be controlled via a mobile application, touch remote, or manually through touch panel. Ideal for modern homes and commercial spaces.

**Application:** Ideal for seamless lighting automation in homes, offices, hotels, and commercial spaces.

### Load Configuration:-

F - Fan, D - Dimmer, N - Normal Loads, H - Heavy Loads, X - Not connected

| Products | Humming-Free Fan<br>(Max. 100 watt) | Dimmable Load<br>(Max. 100 watt) &<br>Heavy Dimmer<br>(Max. 500 watt) | Normal Load<br>(Max. 1500 watt) | Heavy Load<br>(Max. 2500 watt) |
|----------|-------------------------------------|-----------------------------------------------------------------------|---------------------------------|--------------------------------|
| 10FXNH   | 2 (Max. Per load - 1 Fan)           | 0                                                                     | 7 (Max. Per load - 3 LEDs)      | 1 (Max. Per load - 4 LEDs)     |
| 8FDNH    | 1 (Max. Per load - 1 Fan)           | 3 (Max. Per load - 3 LEDs)                                            | 3 (Max. Per load - 3 LEDs)      | 1 (Max. Per load - 4 LEDs)     |
| 8XXNH    | 0                                   | 0                                                                     | 7 (Max. Per load - 3 LEDs)      | 1 (Max. Per load - 4 LEDs)     |
| 8FXNH    | 1 (Max. Per load - 1 Fan)           | 0                                                                     | 6 (Max. Per load - 3 LEDs)      | 1 (Max. Per load - 4 LEDs)     |
| 6FDNX    | 2 (Max. Per load - 1 Fan)           | 1 (Max. Per load - 3 LEDs)                                            | 3 (Max. Per load - 3 LEDs)      | 0                              |
| 4XXNX    | 0                                   | 0                                                                     | 4 (Max. Per load - 3 LEDs)      | 0                              |
| 4XHDXX   | 0                                   | 4 (Max. Per load - 6 LEDs)                                            | 0                               | 0                              |
| 4XDXX    | 0                                   | 4 (Max. Per load - 3 LEDs)                                            | 0                               | 0                              |
| 4FDNH    | 1 (Max. Per load - 1 Fan)           | 1 (Max. Per load - 3 LEDs)                                            | 1 (Max. Per load - 3 LEDs)      | 1 (Max. Per load - 4 LEDs)     |
| 2XXXH    | 0                                   | 0                                                                     | 0                               | 2 (Max. Per load - 4 LEDs)     |
| 2XXNX    | 0                                   | 0                                                                     | 2                               | 0                              |
| 2XHDXX   | 0                                   | 2 (Max. Per load - 6 LEDs)                                            | 0                               | 0                              |
| 2XDXX    | 0                                   | 2 (Max. Per load - 3 LEDs)                                            | 0                               | 0                              |

## Product Features:-

- Execute preset schedules without requiring an internet connection.
- Compatible with both traditional and capacitive switches.
- Supports 3-way touch control.
- OTA updates available upon request.
- Customizable timer for automated load control.
- Maximum 25 schedules can be created.
- Smooth 0% - 100% brightness control.
- Supports TRIAC-based phase-cut dimming technology.
- Supports 2 fan controls (only in SD.6FDNX & SD.10FXNH devices).
- Humming-free fan with 5 steps control.
- Backlight control support for improved visibility and aesthetics.
- Master button is configurable on the touch panel via the touch remote.
- Mode of operation:- Physical, Voice, Mobile application.
- Anti-shock switching ensure secure and reliable operation.

## Product Benefits :-

- Quick and hassle-free installation.
- Remotely monitor and control loads using a smartphone or web application.

**Technical Details**

**Technical Specification:-**

| Products | Avg. Current Consumption | Avg. Power Consumption | Operating Input Voltage | Supported Frequency | Color | Material | Operating Temperature         | Water Resistance | Shock Proof | Warranty |
|----------|--------------------------|------------------------|-------------------------|---------------------|-------|----------|-------------------------------|------------------|-------------|----------|
| 10FXNH   | 25mA                     | 5W                     | 100VAC - 240VAC         | 50-60Hz             | White | ABS      | 0°C - 65°C<br>non<br>condense | No               | No          | 5 Years  |
| 8FDNH    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 8XXNH    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 8FXNH    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 6FDNX    | 18mA                     | 3W                     |                         |                     |       |          |                               |                  |             |          |
| 4FDNH    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 4XXNX    | 17mA                     |                        |                         |                     |       |          |                               |                  |             |          |
| 4XHDXX   | 20mA                     |                        |                         |                     |       |          |                               |                  |             |          |
| 4XDXX    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 2XXXH    | 14mA                     |                        |                         |                     |       |          |                               |                  |             |          |
| 2XXNX    |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 2XHDXX   |                          |                        |                         |                     |       |          |                               |                  |             |          |
| 2XDXX    |                          |                        |                         |                     |       |          |                               |                  |             |          |

**Network and Connectivity Specification:-**

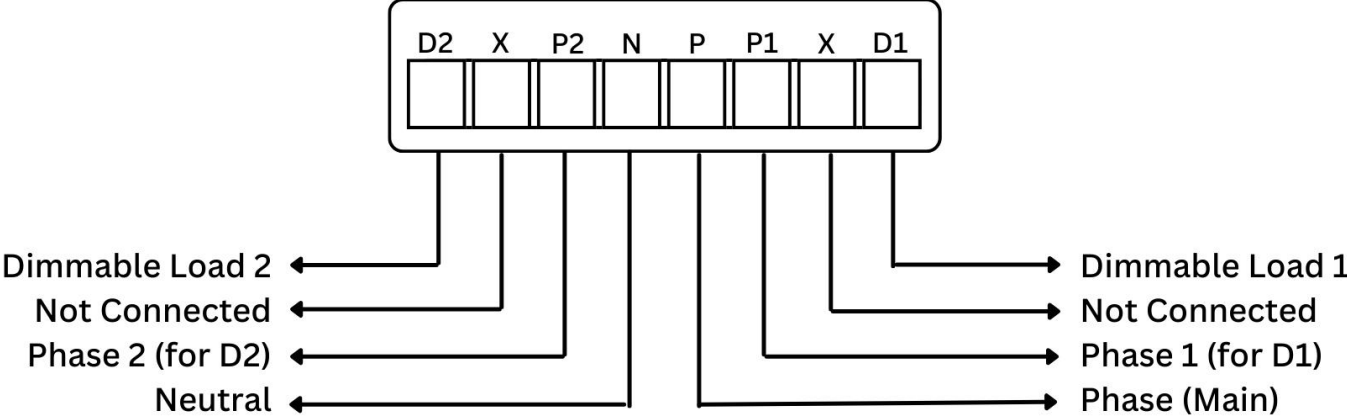
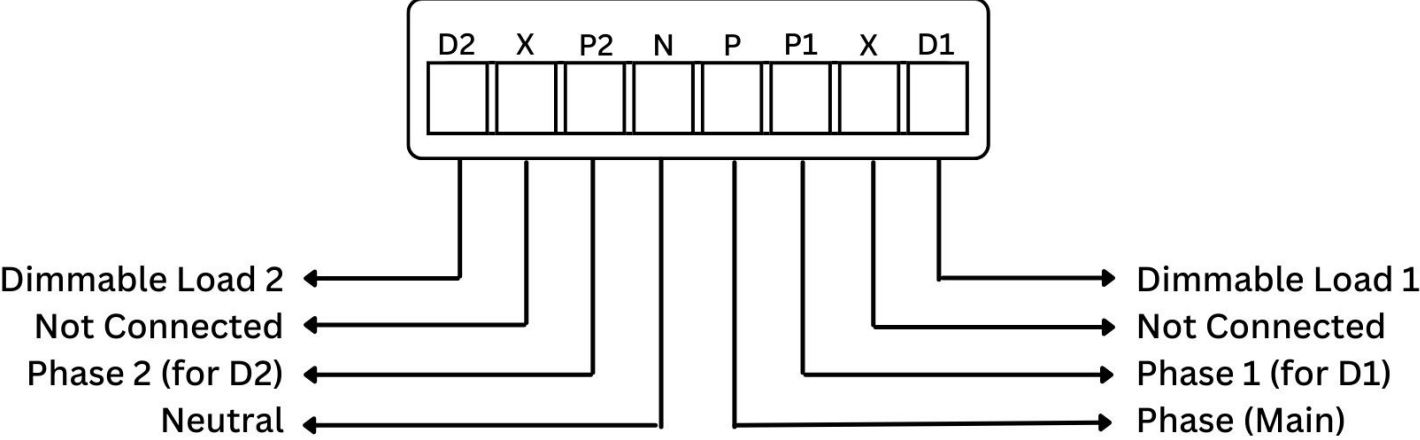
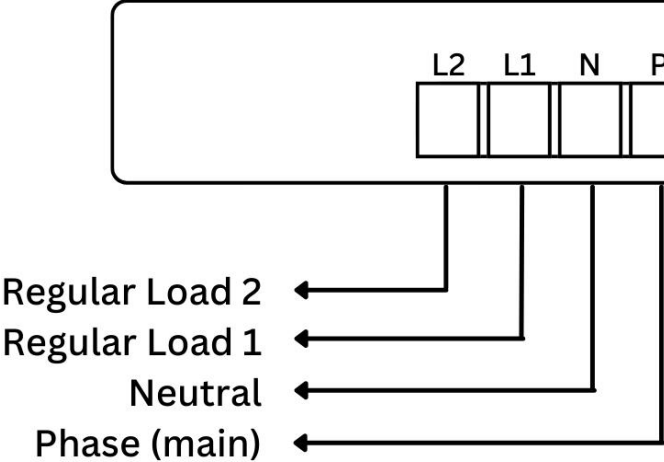
|                              |                                    |
|------------------------------|------------------------------------|
| Communication Protocol       | WIFI 2.4 GHz 802.11 b/g/n          |
| Minimum WIFI Signal strength | 50%                                |
| Minimum Internet speed       | 512kbps                            |
| Data Consumption             | < 3MB/month                        |
| Integration Support          | Compatible with Alexa, Google Home |

## Dimensions

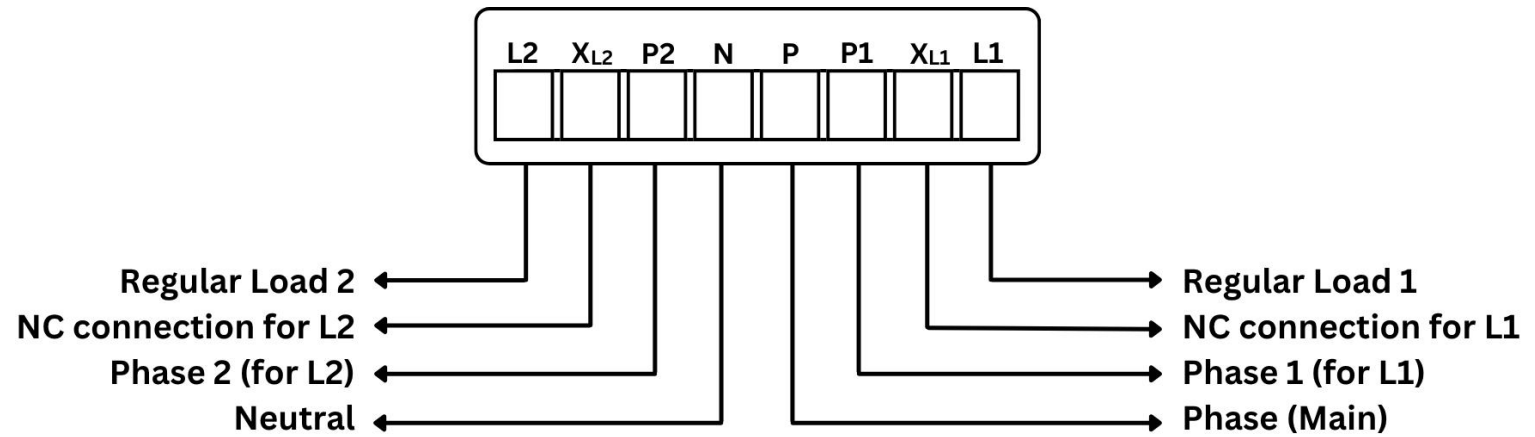
| Products | Module Size | Dimensions (l x b x h) | Weight  |
|----------|-------------|------------------------|---------|
| 2XDXX    | 2M          | 70mm x 52mm x 25mm     | 92 g    |
| 2XHDXX   | 4M          | 95mm x 50mm x 30mm     | 113 g   |
| 2XXNX    | 2M          | 55mm x 24mm x 49mm     | 97 g    |
| 2XXXH    | 2M          | 70mm x 52mm x 25mm     | 97 g    |
| 4FDNH    | 4M          | 110mm x 50mm x 25mm    | 150 g   |
| 4XDXX    | 2M          | 70mm x 52mm x 25mm     | 100 g   |
| 4XHDXX   | 6M          | 129mm x 71mm x 58mm    | 113 g   |
| 4XXNX    | 2M          | 70mm x 52mm x 25mm     | 102.4 g |
| 6FDNX    | 6M          | 130mm x 58mm x 25mm    | 198.7 g |
| 8FXNH    | 6M          | 130mm x 60mm x 25mm    | 205 g   |
| 8XXNH    | 6M          | 130mm x 60mm x 25mm    | 180 g   |
| 8FDNH    | 6M          | 130mm x 60mm x 25mm    | 200 g   |
| 10FXNH   | 8M          | 142mm x 58mm x 25mm    | 200 g   |

# Installation

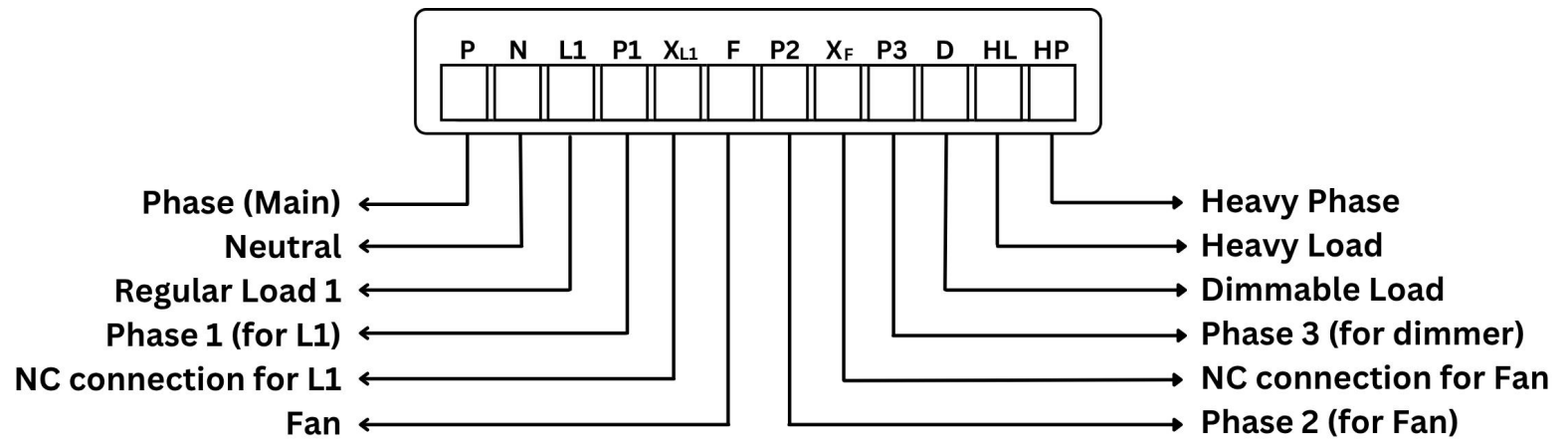
## Wiring Diagram

|           |                                                                                      |
|-----------|--------------------------------------------------------------------------------------|
| SD.2XDXX  |   |
| SD.2XHDXX |  |
| SD.2XXNX  |  |

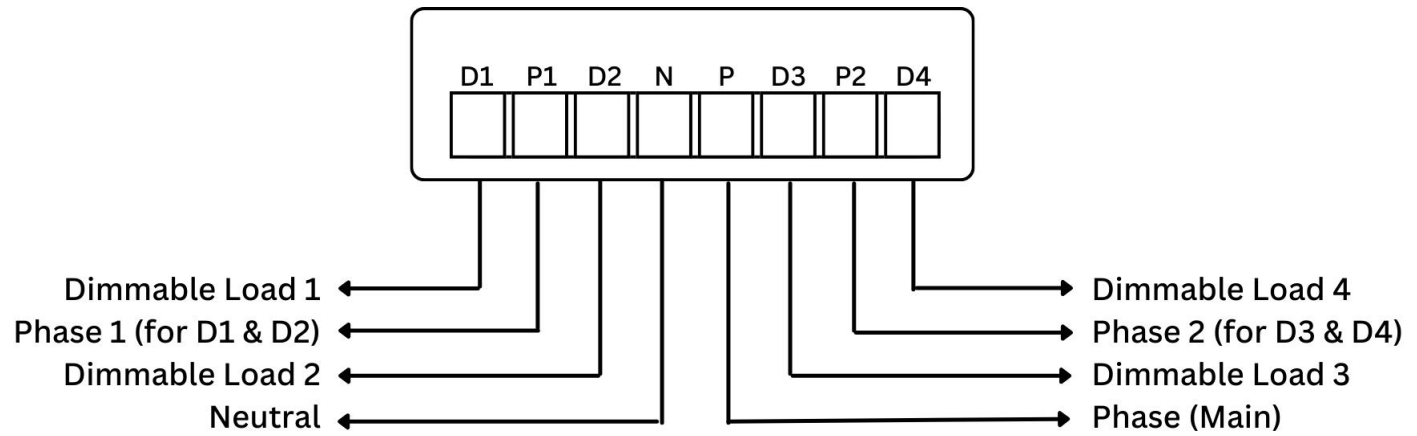
**SD.2XXXH**



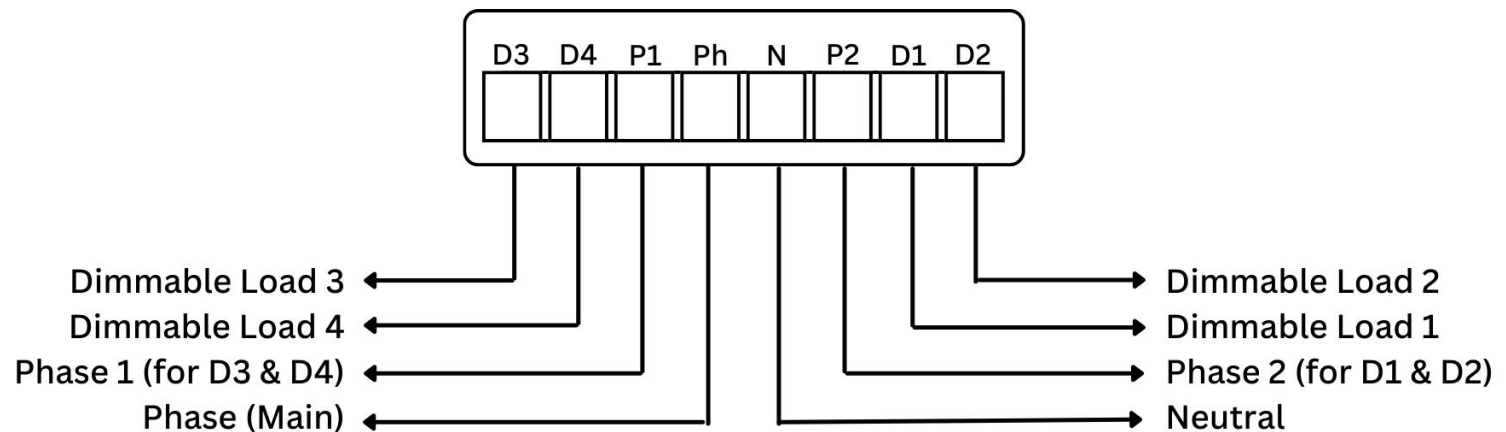
**SD.4FDNH**



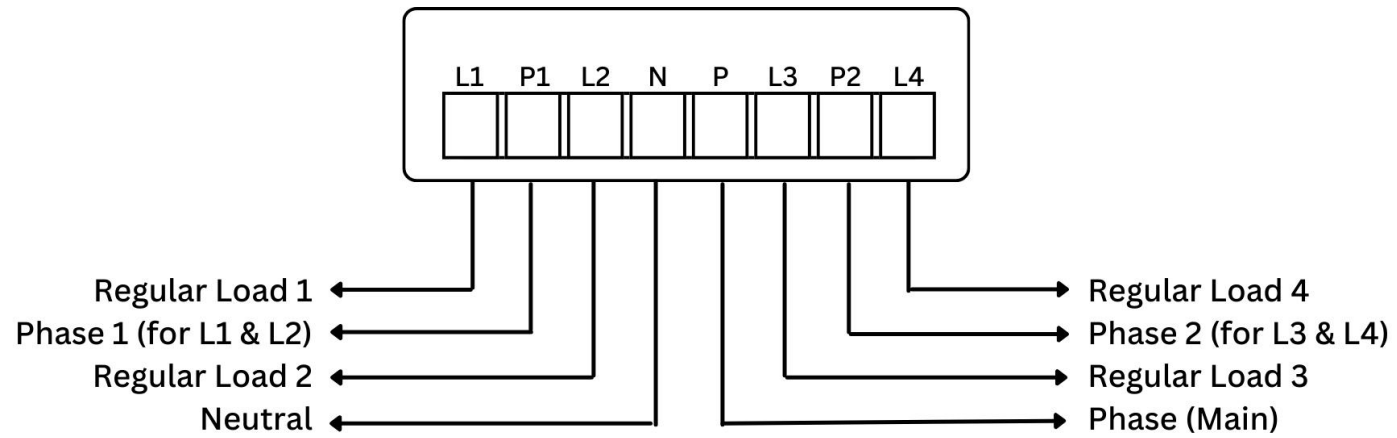
**SD.4XDXX**



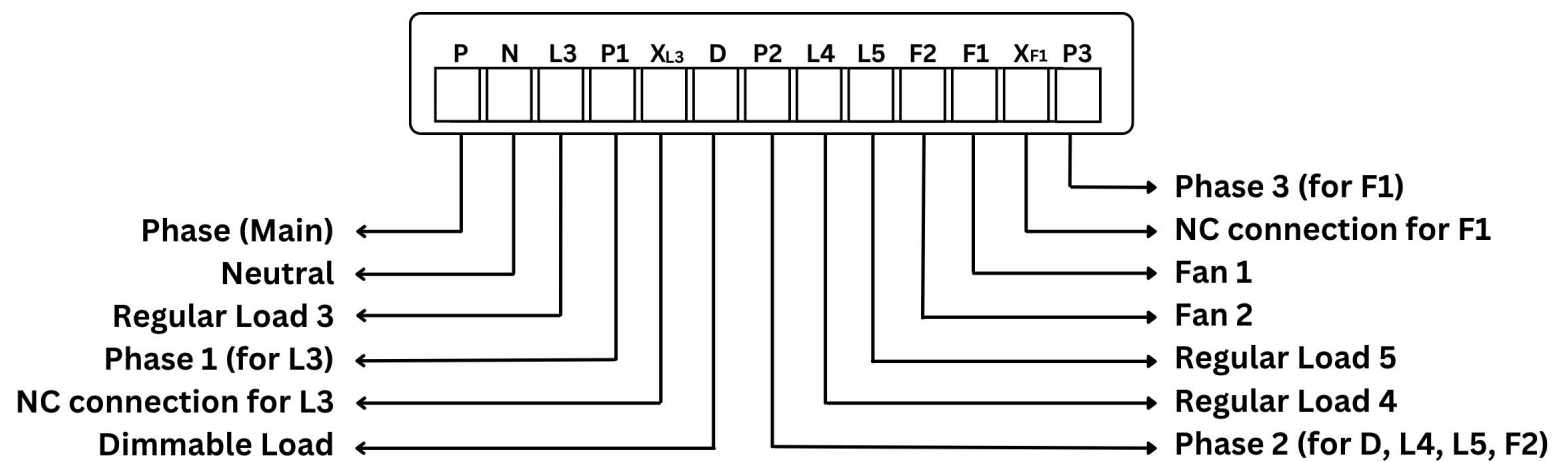
**SD.4XHDXX**



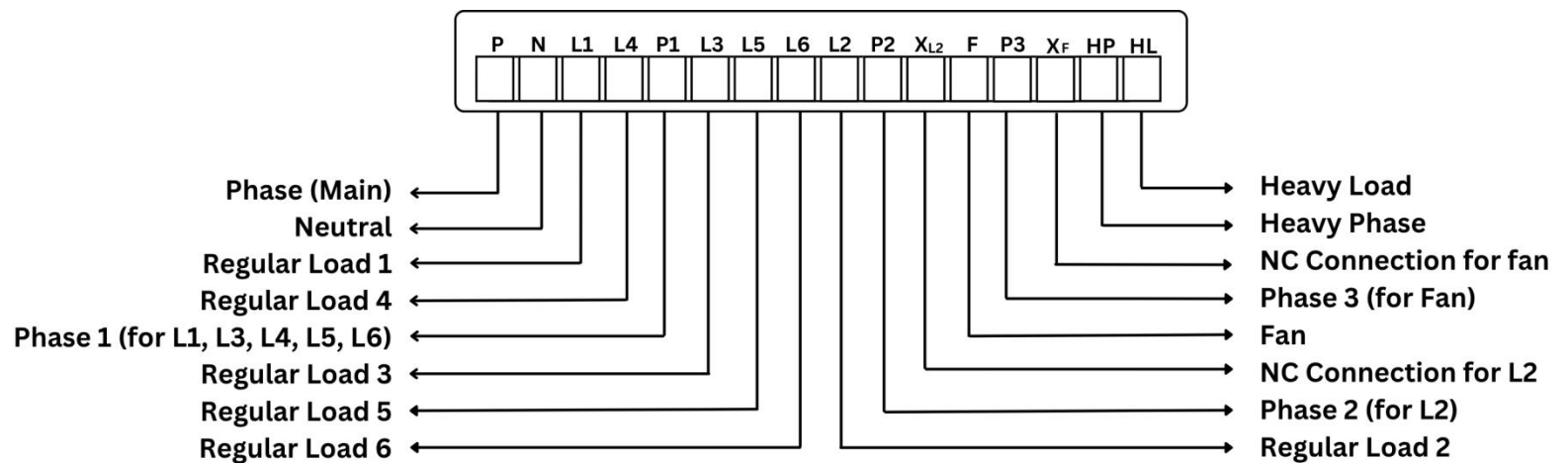
**SD.4XNXX**



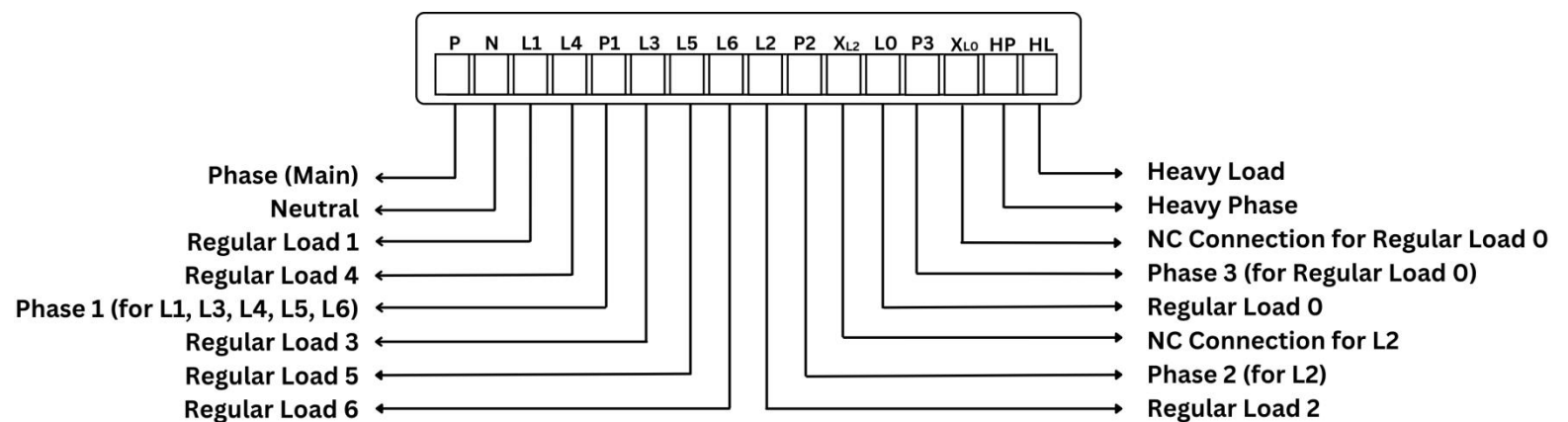
**SD.6FDNX**

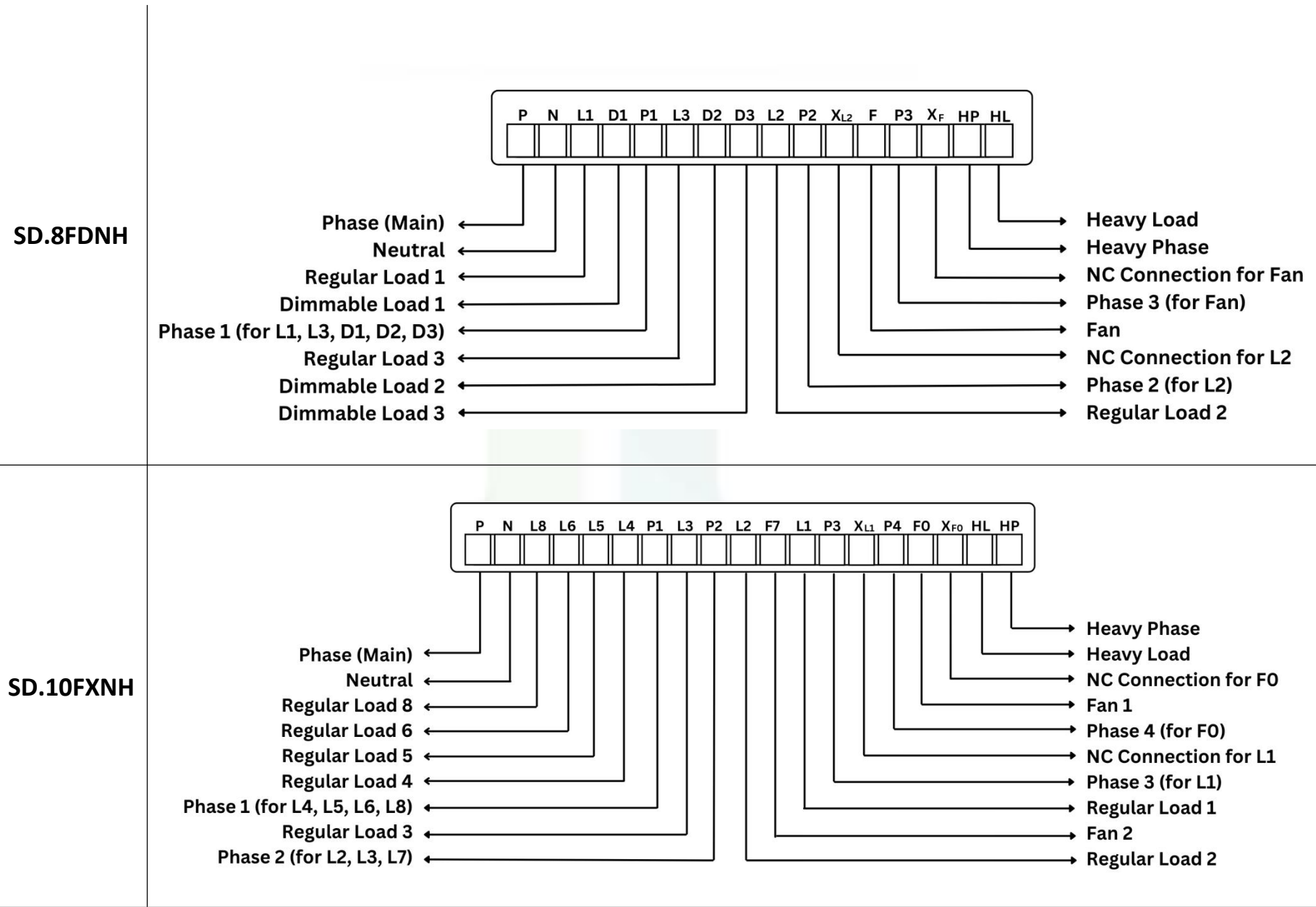


**SD.8FXNH**



**SD.8XXNH**





**Safety & Warnings:-**

- Installation by licensed electrician only.
- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
- No user-serviceable parts; servicing voids warranty.