# LDT-PNL-A10RF-4Z-DIM-SL

## Four-Zone RF & 0/1-10V Touch-Slider Panel

A mains-powered 4-zone touch-slider controller for compatible analogue-dimmable LED drivers. Its four outputs are low-current analogue control signals, not AC or LED power outputs.

| | |
|---|---|
| Supply voltage | 100-240 VAC |
| Output type | 4-channel 0/1-10V control signal |
| Maximum signal current | 20 mA per channel |
| Control inputs | Local touch slider + compatible 2.4 GHz RF DIM remote |
| Zones | 4 |
| Dimming | 0-100%; 256 levels |
| Published RF distance | 10 m, unobstructed |
| Scene memory | 3 scenes |
| AC load output | None; the four outputs are analogue signals |
| Operating temperature | -30 to +55 °C |
| Maximum case temperature | +65 °C |
| IP rating | IP20 |
| Body dimensions | 86 x 86 x 33 mm |

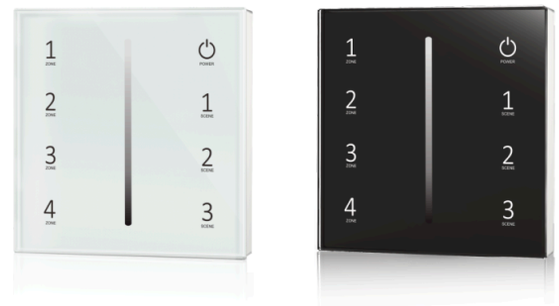
Keep analogue terminals isolated from mains. This panel has no load-power relay output.

The following reference pages include the complete wiring, dimensions, settings and operating instructions. Use the lighting and hardware variant identified above; shared references may illustrate other separate models.

**0/1-10V**

# 4 Channel 0-10V Touch Glass Panel Dimmer

- Touch panel 0-10V dimmer, output 4 channel 0-10V signal.
- Output connect with 0/1-10V dimmable driver.
- Ultra sensitive high strength glass touch panel with touch slide in the middle.
- Compatibility with RF 2.4G 4 zone dimming remote control.
- Touch keys with LED indicator.
- White & Black glass panel available.

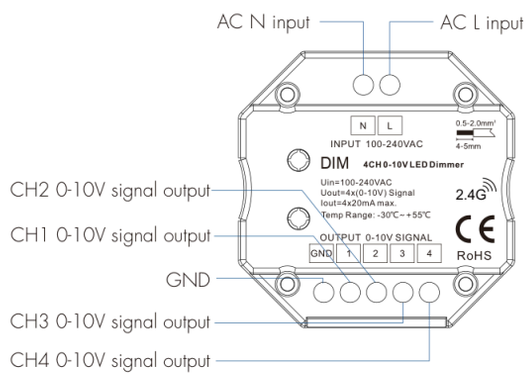


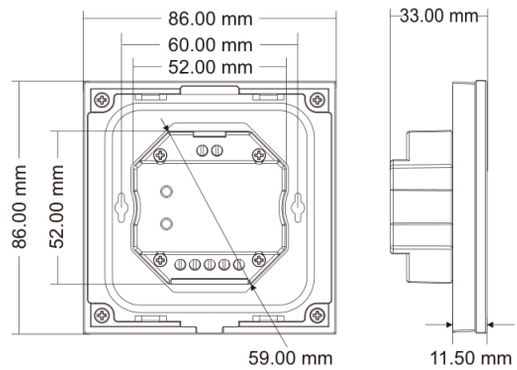
CE RoHS emc LVD

## Technical Parameters

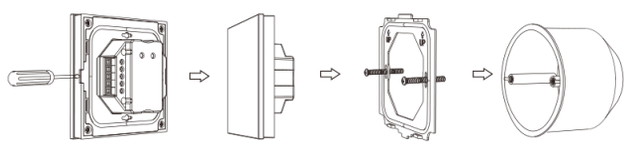
| Input and Output | | Dimming data | | Safety and EMC | |
|---|---|---|---|---|---|
| Input voltage | AC100-240V | Input signal | Touch key + RF 2.4GHz | EMC standard (EMC) | ETSI EN 301 489-1 V2.2.3<br>ETSI EN 301 489-17 V3.2.4 |
| Output signal | 0-10V (20mA) | RF control distance | 10m(Barrier-free space) | | |
| Output current | 20mA/CH | Dimming level | 256 levels | Safety standard(LVD) | EN 62368-1:2020+A11:2020 |
| **Environment** | | Dimming range | 0-100% | Radio Equipment(RED) | ETSI EN 300 328 V2.2.2 |
| Operation temperature | Ta: -30°C ~ +55°C | **Package** | | Certification | CE,EMC,LVD,RED |
| Case temperature (Max.) | Tc: +65°C | Size | L112 x W112 x H50mm | **Warranty** | |
| IP rating | IP20 | Gross weight | 0.231kg | Warranty | 5 years |

## Mechanical Structures and Installations



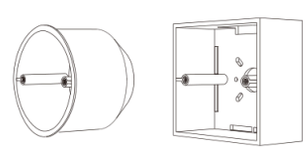




Installation diagram:



Uninstall Touch panel Baseplate Base

Typical base as below:



European style 86 size

## Key function



Power —— Turn on/off all zone light.

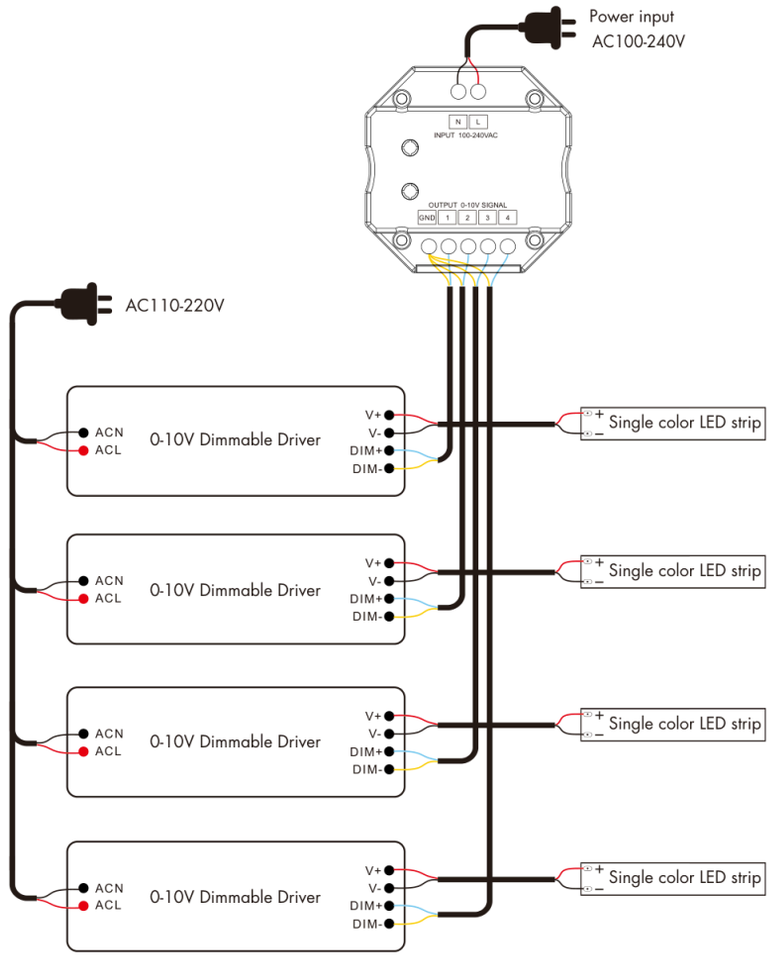
—— Brightness slide.

1 Scene 2 Scene 3 Scene —— Short press recall scene. Long press 2s to save the current state into 1/2/3.

1 Zone 2 Zone 3 Zone 4 Zone —— Short press turn on zone light and select zone simultaneously, long press 2s turn off zone light. 4 zone control seperately or synchronously, each zone could control multiple receivers.

**Note:** The default output is 0-10V.
Touch power key to turn off light, then long press power key for 15s immediately, the output will become 1-10V.
Touch power key to turn off light, then long press power key for 10s immediately, the output will return 0-10V.

## Wiring diagram




**Note:** We recommend the number of LED drivers connected to 0/1-10V dimmer (each channel) does not exceed 20 pieces,
The maximum length of the wires from dimmer to LED driver should be no more than 30 meters.

## Match Remote Control (two match ways)

The 0-10V touch panel dimmer can also match with the RF 4 zone dimming remote (optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

### Use Power key

Match:
Turn on light, turn off,
immediately press the power key of the panel for 5s,
then press any zone key of the RF remote within 5s.
The LED indicator fast flash 3 times means match is successful.

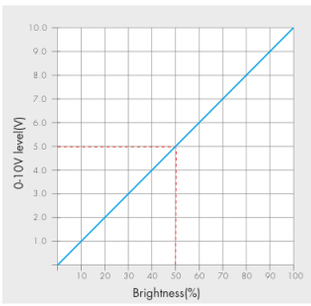
Delete:
Turn on light, turn off,
immediately press the power key of the panel for 10s to delete all match,
The LED indicator fast flash 6 times means all matched remotes were deleted.

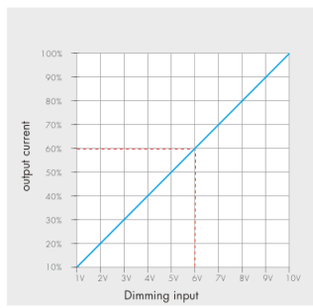
### Use Power Restart

Match:
Switch off the power, then switch on power, repeat again,
Immediately short press any zone key 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power, then switch on power, repeat again,
Immediately short press any zone key 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

## Dimming curve




**Note:**
When the output channel is off, the output dimming signal is 0V.
Please read the dimming section of the 0/1-10V dimming driver manual.
If the dimming characteristic curve is the same as below,
it will not be able to turn off the lights,
you need select other models of 1-10V dimmer which have AC OUT function.