LDT-PNL-A10RF-1Z-DIM-SL

Single-Zone RF & 0/1-10V Touch-Slider Panel with AC Relay

A mains-powered 1-zone touch-slider controller for compatible analogue-dimmable LED drivers. It combines a dimming signal with a separate AC relay output.

Supply voltage	100-240 VAC
Output type	1-channel 0/1-10V control signal
Maximum signal current	50 mA
Control inputs	Local touch slider + compatible 2.4 GHz RF DIM remote
Zones	1
Dimming	0-100%; 256 levels
Published RF distance	10 m, unobstructed
AC relay output	Up to 3 A; observe actual load/inrush limitations
Relay surge specification	200 A, as published
Delay-off control	20 seconds
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. The relay rating does not apply to the analogue 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

Touch Glass Panel 0/1-10V Dimmer

- Touch panel 0/1-10V dimmer, output 1 channel 0/1-10V signal.
- Output connect with 0/1-10V dimmable driver.
- High voltage AC input, high voltage AC relay output, with zero-crossing detection.
- Ultra sensitive high strength glass touch panel with touch slide in the middle.
- Compatibility with RF 2.4G dimming remote control.
- Touch keys with LED indicator.
- High-inrush specification relay.
- White & Black glass panel available.



FC CE RoHS RED

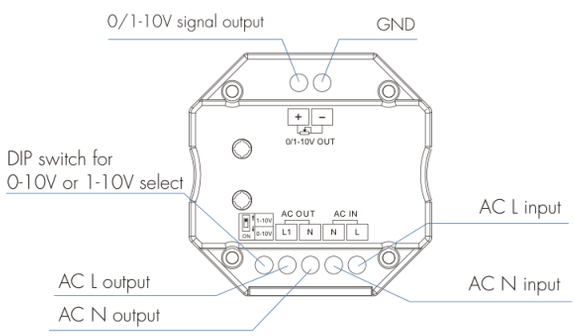
Technical Parameters

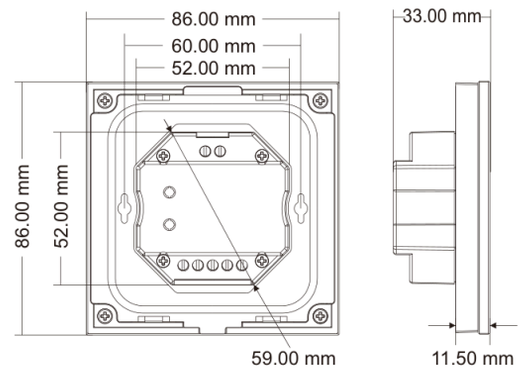
Input and Output	
Input voltage	AC100-240V
Output signal	0-10V (50mA)
Output current	Max. 3A (AC)
Relay surge current	200A
Environment	
Operation temperature	Ta: -30℃ ~ +55℃
Case temperature (Max.)	Tc: +65℃
IP rating	IP20

Dimming data	
Input signal	Touch key + RF 2.4GHz
RF control distance	10m(Barrier-free space)
Dimming gray level	256 levels
Dimming range	0-100%
Warranty	
Warranty	5 years

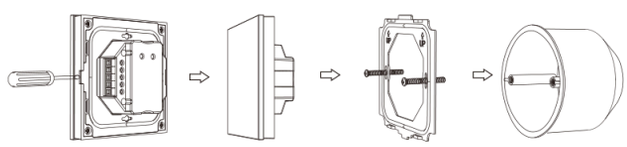
Safety and EMC	
EMC standard	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Radio Equipment	ETSI EN 300 328 V2.2.2
Certification	CE RED
Package	
Size	L112 x W112 x H50mm
Gross weight	0.238kg

Mechanical Structures and Installations



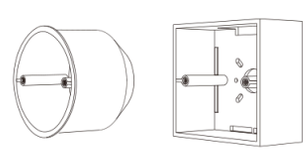


Installation diagram:



Uninstall | Touch panel | Baseplate | Base

Typical base as below:



European style | 86 size

Key Function



Power — Turn on/off light.

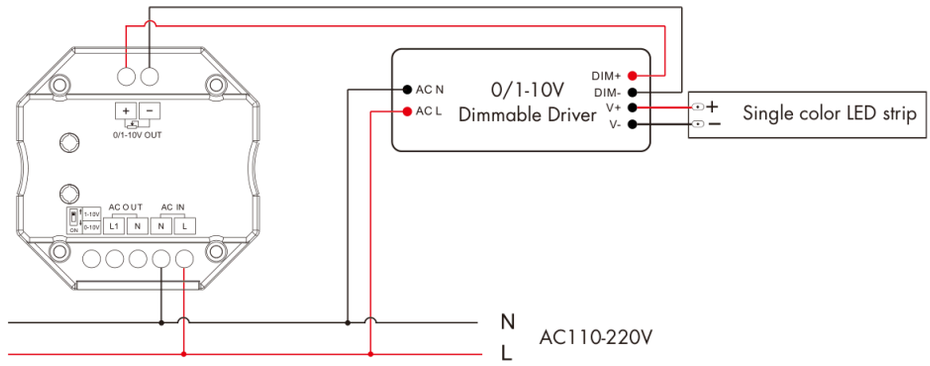
M (Mode) — Play dynamic mode, 6 level speed.

20s (Delay Off) — Turn off light after 20s.

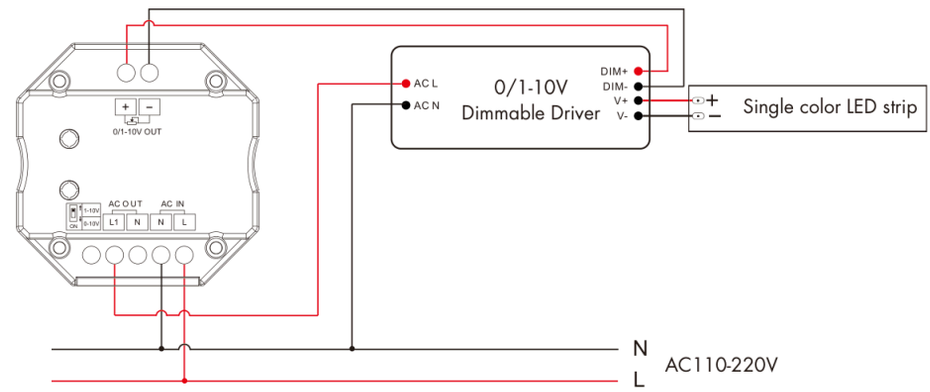
Bright — Brightness, 10 levels.

Wiring Diagram

- Connect with 0/1-10V dimmable driver (no use AC OUT)



- Connect with 0/1-10V dimmable driver (use AC OUT)



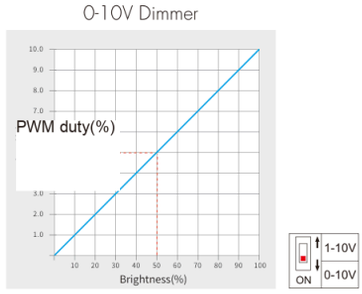
Note:

1. We recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 100 pieces,
2. The MAX. surge current of the AC OUT is 200A. When connecting multiple capacitive (LED power supplies) or inductive loads, the sum of the surge currents can not exceed its maximum value. Otherwise, long-term use may cause product damage.

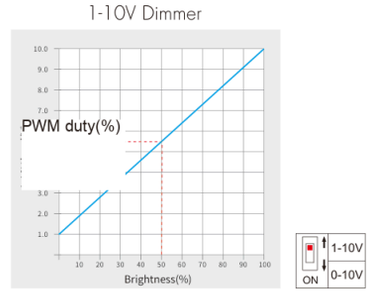
0-10V or 1-10V Dimming Setting

Select 0-10V dimmer or 1-10V dimmer according to dimmable LED driver.

0-10V Dimmer



1-10V Dimmer



Match Remote Control (Two Match Ways)

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

Use On/Off key

Match:
Turn on light, turn off, immediately press the On/Off key of the panel for 5s, then press on/off key (single zone remote) or zone key (multiple zone remote) 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 On/Off 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 on/off key (single zone remote)
or zone key (multiple zone remote) 3 times on the remote.
The LED indicator blinks 3 times means match is successful.

Delete:
Switch off the power, then switch on power, repeat again,
Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 5 times on the remote.
The LED indicator blinks 5 times means all matched remotes were deleted.