



TLC610-D-SC-PM-1C-R



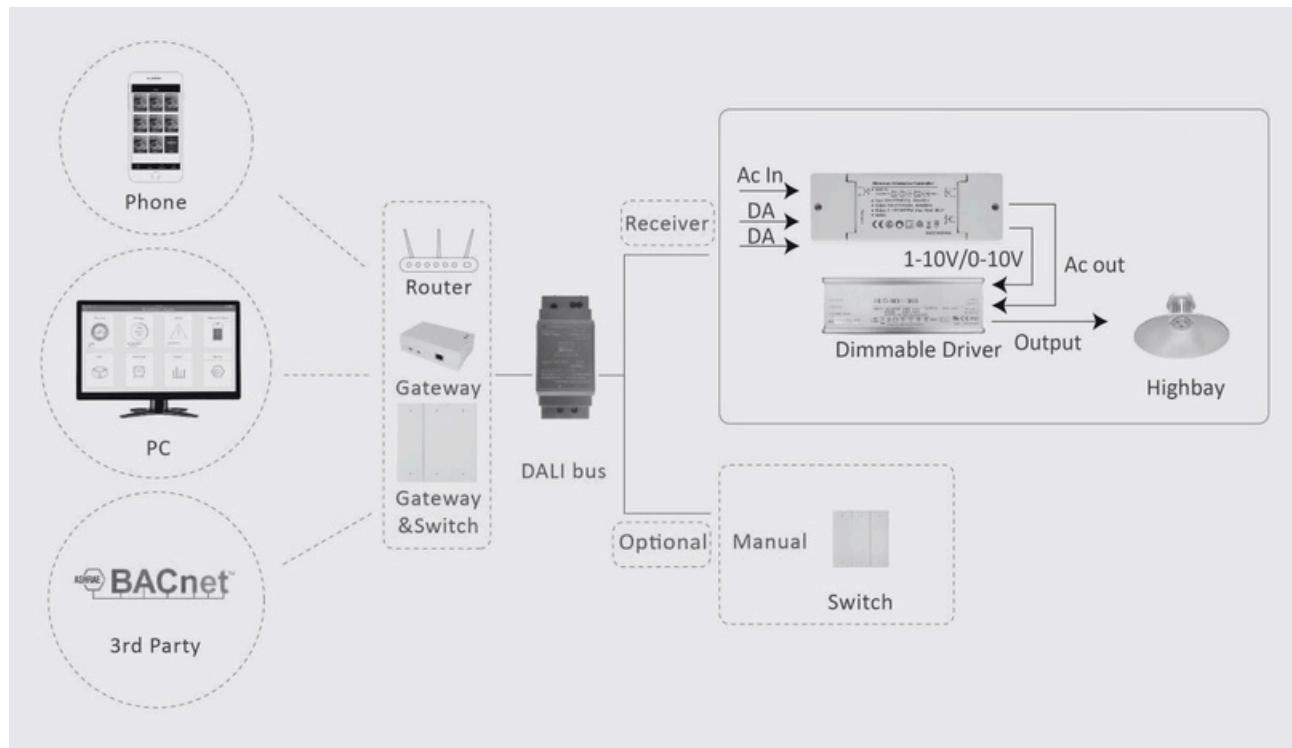
TLC610-D-SC-PM-1C-R is a 1-10V dimming LED controller with built-in DALI slave module. It is in DALI 2.0 standard protocol and has built-in power meter function; it is applied to industrial or commercial LED lighting for smart dimming purposes. It works with Meanwell, Philips and other 1-10V or 0-10V dimming drivers.

With Theorylight lighting control system, the controller manages short-distance or long-distance wireless control LED lights by Mobile Phone, Tablet, PC, Wall Switch, Remote Control, Daylight Sensor and Motion Sensor.

Part no. [TLC610-D-SC-PM-1C-R](#)

TLC610	project name/ index
D	DALI
SC	single color
PM	power metering
1C	1-channel dim out
R	relay

System Diagram



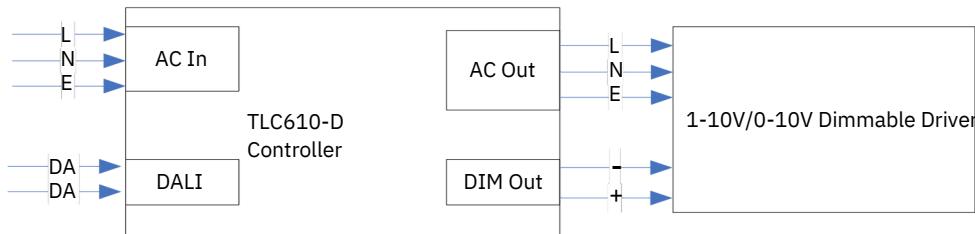
Parameter

Input	Voltage	Output	100-277Vac 50/60Hz
Voltage	Max Current of		100-277Vac 50/60Hz
			1-10V (15mA Max) 3A Max
Relay			1W DALI Bus within
Standby Power			300M
Control Range			-40°C to 85°C
Operating Temperature			123g (No external Antenna)
N.W.			151g (No external Antenna)
G.W.			140x 50x 30mm
Size			155x 56x 40mm
Package Size			1PCS/
Package			Package controller 1 pcs、
Parts			screws
Housing Material			1 bag PCV0

Terminal Definition/ Wiring Diagram

AC In	L	Input AC100 – 277V L
	N	Input AC100 – 277V N
	E	Input AC100 – 277V E
AC Out	L	Output AC100 – 277V L (To Driver)
	N	Output AC100 – 277V N (To Driver)
	E	Output AC100 – 277V E (To Driver)
Dim Out	DIM+	1-10V+ output to driver
	DIM-	GND
DALI	DA	DALI bus
	DA	DALI bus

Wiring Diagram



Software Operation

1. Initial states. When the DALI controller is powered up, lights blink 4 times before staying 100%.
2. First 30 minutes. The DALI controller in initial state is searchable by the gateway in the first 30 minutes after power up. Choose a gateway.
3. Power on the gateway, open the App “Theorylight Pro”, select gateway from Settings/Add device. Add device. Click “Search” button.
4. Light is on 30% after added successfully. Create a new area and add the DALI controller into this area.
5. On/off /dim this controller in this area. Binding. Click “Binding Setting” on “Setting” page.
6. Bind the DALI controller with motion sensor/ daylight sensor/ wall switch/ remote control.
7. For more operating details please refer to user manual of gateway.

Initial States Setting

Soft reset: keep the device and gateway powered on and delete it on the “Theorylight Pro” App.

Dimension

