

Two-Channel LED Driver



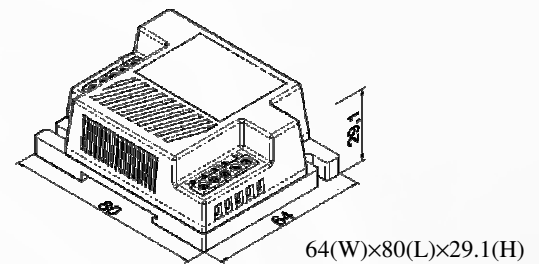
Features

- Developed for indoor LED lighting, meets the IEC-62386 (DALI) international standard.
- Designed for DALI loop, easy installment, requires only two wires regardless of signal polarity.
- 10% to 100% broad and linear dimming range, stable output illumination without flickering.
- Efficiency > 80% and PF > 95% in full power output.
- Gradual and soft variation in illumination adjustment significantly improve the shortcomings of the traditional ON-OFF control and make people more comfortable.
- The rate of variation in the light source can be adjusted.
- Can be set to be controlled in a group manner for easy operation.
- 16 scenes with different illumination can be stored.
- Can be used in conjunction with a PIR human body sensor to achieve automatic energy-saving capability.
- Up to 80% electricity can be saved if the energy-saving luminance control is carried out.
- Color temperatures are adjustable.

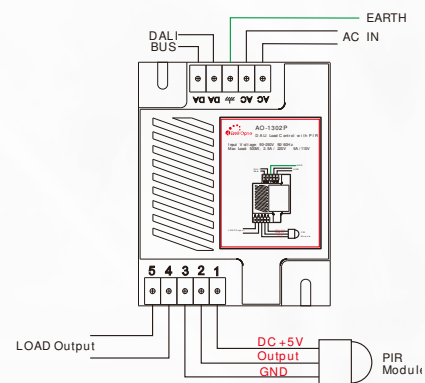
Applications

- If the central control host is not available, lighting control can be executed via a DALI switch on the wall or via a PIR detector.
- If used in conjunction with a PIR detector, smart lighting control can be achieved automatically based on the actual condition, the central control host is not necessary.
- If used in conjunction with a PIR detector, light intensity will be reduced automatically when no person is present. Consequently, the life of light sources can be extended. Moreover, the heat dissipated by the light can be reduced, and the power required for the air conditioner to expel the extra heat can be decreased. This exemplifies green energy and smart lighting control
- If the central control host is available, the device can be used in conjunction with the optional PIR detector to perform security monitoring, i.e., intrusion detection.

Dimensions (Unit: mm)



Wiring



Model List

| Model | Input / Output Voltage | Output current / Channel | Interface of sensor | Interface of Control | Output Current Adjustable |
|------------------|------------------------|--------------------------|---------------------|----------------------|---------------------------|
| MDL-2CH-48-PDZFR | 20~48Vdc / 20~48Vdc | 800mA | PIR | DALI + ZigBee | N/A |
| MDL-2CH-48-RDZFR | 20~48Vdc / 20~48Vdc | 800mA | PIR + IR | DALI + ZigBee | N/A |
| MDL-2CH-48-PDFR | 20~48Vdc / 20~48Vdc | 800mA | PIR | DALI | N/A |
| MDL-2CH-48-PDZDS | 20~48Vdc / 20~48Vdc | 800mA | PIR | DALI + ZigBee | DIP Switch |
| MDL-2CH-48-RDZDS | 20~48Vdc / 20~48Vdc | 800mA | PIR + IR | DALI + ZigBee | DIP Switch |
| MDL-2CH-48-PDDS | 20~48Vdc / 20~48Vdc | 800mA | PIR | DALI | DIP Switch |