

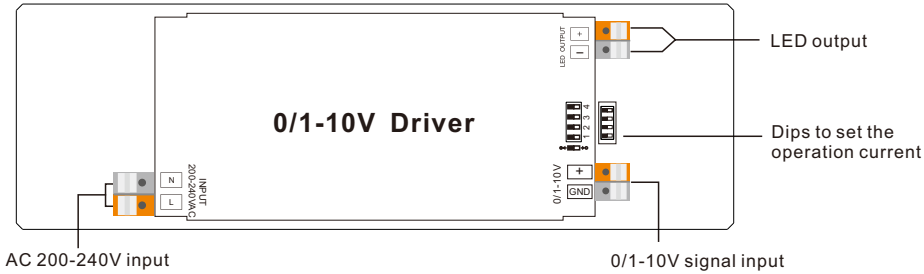
30W 0/1-10V Dimmable LED Driver (Constant Current)

LED Controlled Device



Important: Read All Instructions Prior to Installation

Function introduction



AC 200-240V input

0/1-10V signal input

Product Data

| | | | | | | | | | |
|-------------|---------------------------|--|-------|-------|-------|-------|-------|-------|--------|
| Output | Selectable Current | 250mA | 300mA | 350mA | 400mA | 450mA | 500mA | 550mA | 600mA |
| | DC Voltage Range | 8-55V | 8-55V | 8-55V | 8-55V | 8-55V | 8-55V | 8-54V | 8-50V |
| | Selectable Current | 650mA | 700mA | 750mA | 800mA | 850mA | 900mA | 950mA | 1000mA |
| | DC Voltage Range | 8-46V | 8-43V | 8-40V | 8-37V | 8-35V | 8-33V | 8-31V | 8-30V |
| | Rated Power | 30W max. | | | | | | | |
| Input | Voltage Range | 200-240V AC | | | | | | | |
| | Frequency Range | 50/60Hz | | | | | | | |
| | Power Factor (Typ.) | > 0.9 @ 230VAC | | | | | | | |
| | Total Harmonic Distortion | THD ≤ 12% (@ full load / 230VAC) | | | | | | | |
| | Efficiency (Typ.) | 83% @ 230VAC full load | | | | | | | |
| | AC Current (Typ.) | 0.17A @ 230VAC | | | | | | | |
| | Inrush Current (Typ.) | COLD START 2A max. at 230VAC | | | | | | | |
| | Leakage Current | < 0.5mA /230VAC | | | | | | | |
| Control | Dimming Interface | 0/1-10V | | | | | | | |
| | Dimming Range | 0.1%-100% | | | | | | | |
| | Dimming Method | Amplitude dimming (PWM dimming under 1%) | | | | | | | |
| | Dimming Curve | Logarithmic | | | | | | | |
| Environment | Working Temp. | -20°C ~ +45°C | | | | | | | |
| | Max. Case Temp. | 85°C (Ta="45°C") | | | | | | | |
| | Working Humidity | 10% ~ 95% RH non-condensing | | | | | | | |
| | Storage Temp. & Humidity | -40°C ~ +80°C, 10% ~ 95% RH | | | | | | | |

| | | |
|------------|-------------------|---|
| Protection | Short Circuit | Yes, auto recovery after fault removed |
| | Over Voltage | Yes, auto recovery after fault removed |
| | Over Temperature | Yes, auto recovery after fault removed |
| Safety&EMC | Safety Standards | ENEC EN61347-1, EN61347-2-13 approved |
| | Withstand Voltage | I/P-O/P: 3.75KVAC |
| | EMC Emission | EN55015, EN61000-3-2, EN61000-3-3 |
| | EMC Immunity | EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV |
| Others | MTBF | 189400H, MIL-HDBK-217F @ 230VAC at full load and 25 ambient temperature |
| | Dimension | 170*53.4*28mm (L*W*H) |

Dips to set the operation current

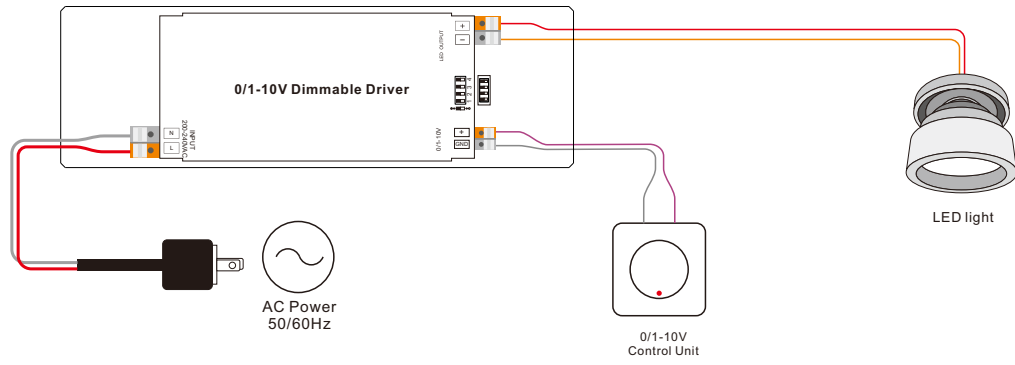
| Current | 1 | 2 | 3 | 4 |
|---------|---|---|---|---|
| 250mA | ○ | ○ | ○ | ○ |
| 300mA | ○ | ○ | ○ | ● |
| 350mA | ○ | ○ | ○ | ● |
| 400mA | ○ | ○ | ○ | ● |
| 450mA | ○ | ○ | ○ | ● |
| 500mA | ○ | ○ | ○ | ● |
| 550mA | ○ | ○ | ○ | ● |
| 600mA | ○ | ○ | ○ | ● |
| 650mA | ● | ○ | ○ | ○ |
| 700mA | ● | ○ | ○ | ○ |
| 750mA | ● | ○ | ○ | ○ |
| 800mA | ● | ○ | ○ | ○ |
| 850mA | ● | ○ | ○ | ○ |
| 900mA | ● | ○ | ○ | ○ |
| 950mA | ● | ○ | ○ | ○ |
| 1000mA | ● | ○ | ○ | ○ |

- Dimmable LED driver, dimming range 0.1%-100%
- Max. output power 30W
- 1channel 250-1000mA constant current output
- Dips to set the operation current
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- To control tunable white LED lighting
- Built-in 0/1-10V interface, switch and dimming function integrated.
- Compatible with universal 0/1-10V signal
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT set operation current with power applied to device.
- DO NOT expose the device to moisture.

Wiring Diagram



Product Dimension

