

## Model: GP-THxxx-15 Series (24W/230V)

**Dimmable LED Drivers - 500mA & 700mA & 1000mA & 1200mA for Triac & Electronic Low Voltage Dimmers**

### Features

- Input Range from 230VAC ± 10%.
- Operates with Industry Standard Dimmers, Triac & Electronic Low Voltage Dimmers.
- PFC to Reduce Power Consumption.
- Compact Lightweight in Plastic Case.
- Designed for Indoor Application.
- Waterproof Packaging: IP65 for Dry and Wet Location.
- Tc Point Measured, Max Case Temperature: 70°C.
- Protections: Short-Circuit / Over Load / Over Heat and Auto-Recovery Mode.
- 2 Years Warranty.
- RoHS Compliant.

### Approvals



### Size

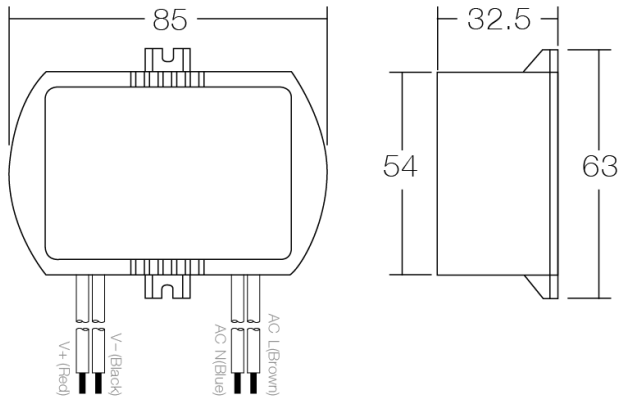
85 \* 63 \* 32.5 mm (L\*W\*H)



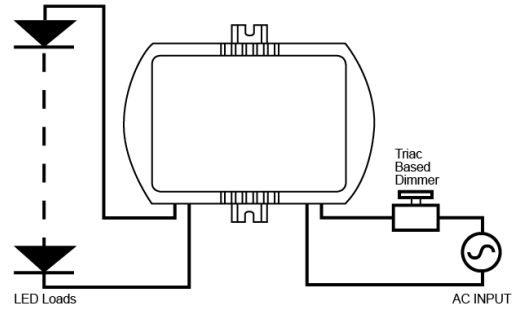
### Specifications

Model No.		GP-THA220-15	GP-THA024-15	GP-TH7036-15	GP-TH5048-15
Output	Voltage Range (VDC)	10-20VDC	12-24VDC	24-36VDC	28-48VDC
	Ripple & Noise (max.)	2.2Vp-p	2.4Vp-p	3Vp-p	4Vp-p
	Line Regulation	± 3%	± 3%	± 3%	± 3%
	Load Regulation	± 5%	± 5%	± 5%	± 5%
	Rated Current Range (mA)	1200mA ± 6%	1000mA ± 6%	700mA ± 6%	500mA ± 6%
	Rated Power (W)	24W Max	24W Max	24W Max	24W Max
	Efficiency (Typ.)	79%	82%	82.5%	79%
	Hold up time	Half cycle minimum at 240VAC and 80% of rated			
Input	Voltage Range (VAC)	230VAC ± 10%			
	Frequency Range (Hz)	50 Hz			
	AC Current	0.17A at 230VAC			
	THD(Total Harmonic Distortion)	Less than 20% at full load			
	Max. Inrush Current	< 20A			
	Leakage Current	<1mA / 240VAC			
	Available Dimmers	<ul style="list-style-type: none"> <li>• Standard Light Switches</li> <li>• Triac based Incandescent Dimmers ( Standard phase - leading edge)</li> <li>• Electronic Low Voltage Dimmers (Reverse Phase - trailing edge)</li> </ul>			
Environment	Operation Temp.	-20°C~+70°C full load.			
	Operation Humidity	20% ~ 95% RH non-condensing.			
	Storage Temp. / Humidity	-20 ~ +80°C / 10% ~ 95% RH			
	Ambient Temp.	25°C at 230VAC			
	Vibration Frequency	5 to 50 HZ			
	MTBF	>100,000 Hours at full load and 25°C ambient conditions (MIL-HDBK-217F)			
Safety Approval	Safety Standards	UL, cUL 1310 Class 2;			
Others	Dimension(L x W x H)	85 x 63 x 32.5mm; 232g/pcs			

## Mechanical Specification



## Wiring Diagram



- LED Loads
- ◆ 1200mA/20V/24W MAX
  - ◆ 1000mA/24V/24W MAX
  - ◆ 700mA/36V/24W MAX
  - ◆ 500mA/48V/24W MAX

## Dimmer Recommended Chart

### Manufacturer

DUWI  
BUSCH-JAEGER  
HPM  
HPM  
CLIPSAL  
CLIPSAL

### Dimmer Model

ET1 53850  
2247U  
CAT400T  
CAT250T  
NO32E450LM  
32E450UDM

1. AC-Dimming series, a new AC/DC LED driver that operates directly from AC line dimmer and provides an isolated, Class 2 low voltage constant current to properly drive the LED luminaries.
2. Lamps must be wired in series, and total value of Vf should be under rated DC Voltage.
3. Disconnect the mains supply before installing; do not turn on/off from output port.
4. Parameter measured at full load 25°C ambient temperature.
5. Under direct driving, the power supply will work in "constant current mode (CC)" and output voltage of the power supply will be clamped by sum of forward voltage (V ) of the LED strip.