



Eaglerise LED Power Supply Manual

Type: LED power supply

(Families:

Constant current:

0.5PF-CC(Mini-SH,Mini-SS,Mini-CS,Mini-LS)

0.9PF-CC(Indep-LS,Build_in-LS,Build_in-cs,Indep-LSR,Universal-HX)

Linear-CC(MSL,N-SELV_MSR)

Flexible-CC(Compact-FLS,Integrated-FDS,N-SELV_FMS)

Constant voltage:

CV(CV-US,CV-MM,ESE-S)

Triac :

Triac(Triac-LS,Triac-CV)

0-10V(0-10_FLS)

DALI2 :

DALI2(FLS-DALI2,MINI-DALI2,2-slots_DALI2,OTHER DALI2)

Wireless :

Bluetooth(Bluetooth-FLS)

Zigbee(Zigbee-FLS)

)

Type: Constant current/Constant voltage

Introduction

The CC/CV LED power supply is a dedicated LED driving device that delivers a constant current/voltage or generates an adjustable current controlled by a dip-switch to LED.

Installation

- 1.Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- 2.Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- 3.Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature,shorten the power supply life.
- 4.Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to the specification.
- 5.Ensure that the linkage between the unit and the lighting fixture is tight.
- 6.For LED power supply,ensure the linkage between the main power and the driver is tight and reliable.
- 7.Wiring: The wire color will vary by country, please refer to the table below.

	North America	European Harmonized
Live and ACL	Black	Brown
Neutral and ACN	White	Blue
PE and FG (Class I only)	Green	Green/yellow

(a) Connect the FG wire (green or green/yellow) of the LED power supply to PE (green or green/yellow). Skip this step when the unit is marked class II, ungrounded.

(b) Connect the ACL wire (black or brown) of the LED power supply to Live (black or brown).

(c) Connect the ACN wire (white or blue) of the LED power supply to Neutral (white or blue).

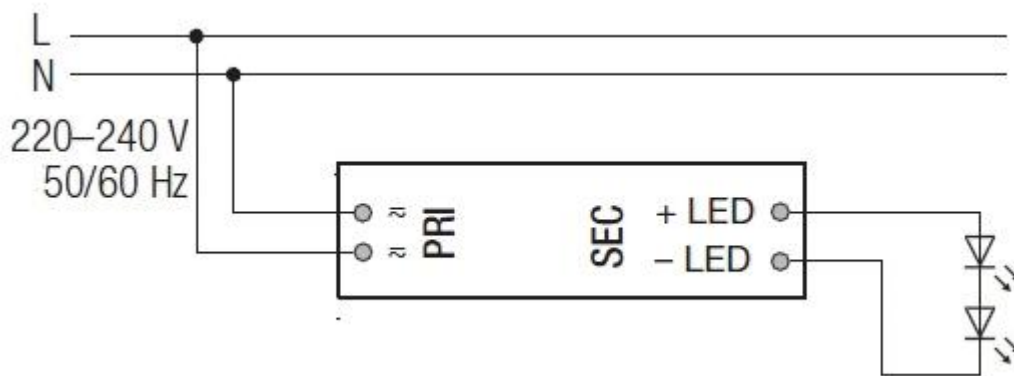


Image1 CC/CV LED power supply wiring

Caution

1. Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
2. Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
3. Output current and output wattage must not exceed the rated values on the specifications.
4. The FG must be well connected to PE (protective earth) if the unit equips with it.
5. All Eaglerise power supply are designed in accordance with EMC regulations and the related test reports are available by request. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.

Type: Triac

Introduction

The Triac LED power supply is a dedicated LED driving device that delivers a constant current/voltage or generates an adjustable current controlled by a dip-switch to LED.

Installation

1. Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
2. Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
3. Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature, shorten the power supply life.
4. Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to the specification.
5. Ensure that the linkage between the unit and the lighting fixture is tight.
6. For Triac LED power supply, ensure the linkage between the Triac dimmer and the driver is tight and reliable.
7. Wiring: The wire color will vary by country, please refer to the table below.

	North America	European Harmonized
Live and ACL	Black	Brown
Neutral and ACN	White	Blue
PE and FG (Class I only)	Green	Green/yellow

(a) Connect the FG wire (green or green/yellow) of the LED power supply to PE (green or green/yellow). Skip this step when the unit is marked class II, ungrounded.

(b) Connect the ACL wire (black or brown) of the LED power supply to Live (black or brown).

(c) Connect the ACN wire (white or blue) of the LED power supply to Neutral (white or blue).

(d) Triac LED power supply could connect LEDs less than 32.

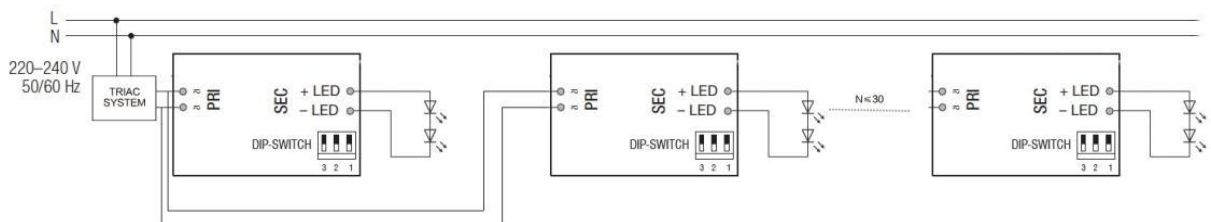


Image2 Triac LED power supply wiring



Caution

- 1.Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
- 2.Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
- 3.Output current and output wattage must not exceed the rated values on the specifications.
- 4.The FG must be well connected to PE(protective earth) if the unit equips with it.
- 5.All Eaglerise power supply are designed in accordance with EMC regulations and the related test reports are available by request. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.

Type: DALI

Introduction

The DALI LED power supply is a dedicated LED driving device that delivers a constant current/voltage or generates an adjustable current controlled by a dip-switch to LED.

Installation

- 1.Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- 2.Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- 3.Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature,shorten the power supply life.
- 4.Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to the specification.
- 5.Ensure that the linkage between the unit and the lighting fixture is tight.
- 6.For DALI LED power supply,ensure the linkage between the DALI system and DALI driver is tight and reliable.And the DALI line meet the standard.
- 7.Wiring: The wire color will vary by country, please refer to the table below.

	North America	European Harmonized
Live and ACL	Black	Brown
Neutral and ACN	White	Blue
PE and FG (Class I only)	Green	Green/yellow

(a)Connect the FG wire (green or green/yellow) of the LED power supply to PE (green or green/yellow).Skip this step when the unit is marked class II, ungrounded.

(b)Connect the ACL wire (black or brown) of the LED power supply to Live (black or

brown).

(c) Connect the ACN wire (white or blue) of the LED power supply to Neutral (white or blue).

(d) DALI LED power supply could connect to DALI or Push. And the power supply could connect LEDs less than 64.

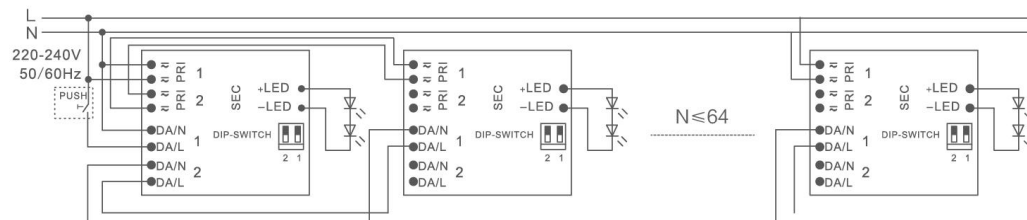


Image4 Push wiring

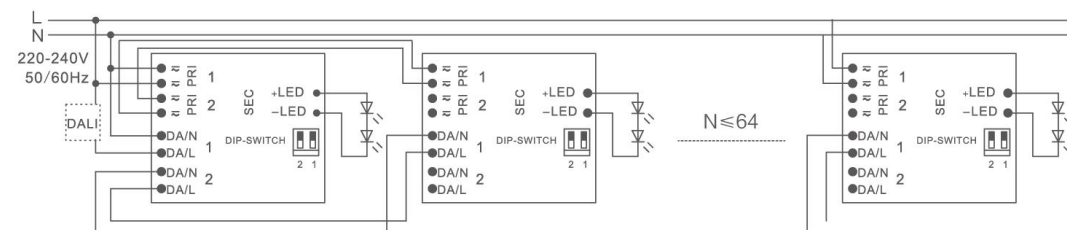


Image5 DALI wiring

Caution

1. Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
2. Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
3. Output current and output wattage must not exceed the rated values on the specifications.
4. The FG must be well connected to PE(protective earth) if the unit equips with it.
5. All Eaglerise power supply are designed in accordance with EMC regulations and the related test reports are available by request. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.



Type: Wireless

Introduction

The Wireless LED power supply is a dedicated LED driving device that generates an adjustable current controlled by a dip-switch to LED.

Installation

- 1.Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- 2.Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- 3.Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature, shorten the power supply life.
- 4.Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to the specification.
- 5.Ensure that the linkage between the unit and the lighting fixture is tight.
- 6.Wiring: The wire color will vary by country, please refer to the table below.

	North America	European Harmonized
Live and ACL	Black	Brown
Neutral and ACN	White	Blue
PE and FG (Class I only)	Green	Green/yellow

(a)Connect the FG wire (green or green/yellow) of the LED power supply to PE (green or green/yellow).Skip this step when the unit is marked class II, ungrounded.

(b)Connect the ACL wire (black or brown) of the LED power supply to Live (black or brown).

(c)Connect the ACN wire (white or blue) of the LED power supply to Neutral (white or blue).

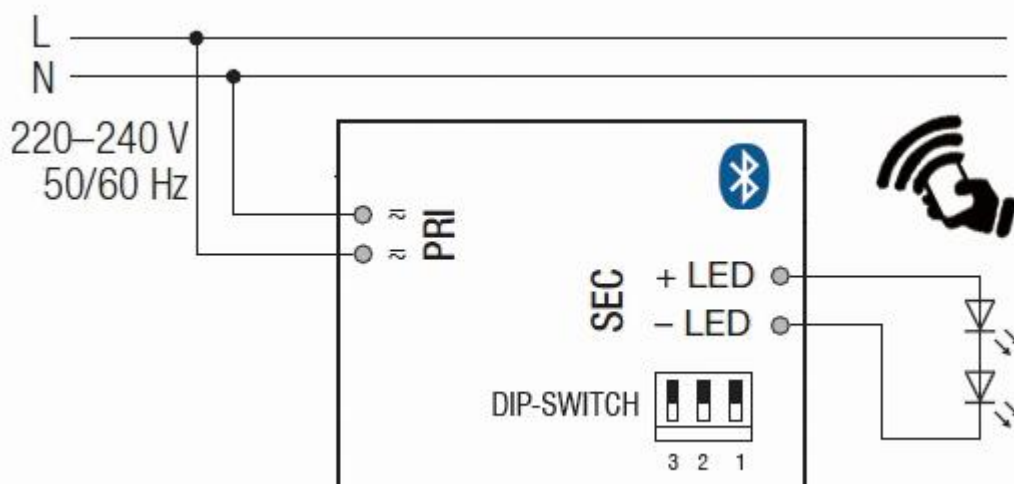


Image6 Bluetooth wiring

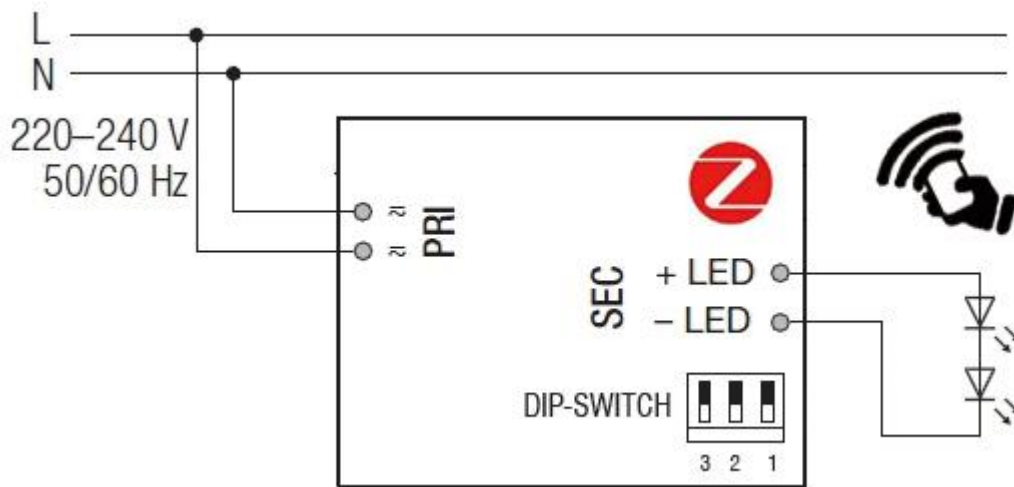


Image6 ZIGBEE wiring

Caution

1. Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the power supply by yourself!
2. Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
3. Output current and output wattage must not exceed the rated values on the specifications.
4. All Eaglerise power supply are designed in accordance with EMC regulations and the related test reports are available by request. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.