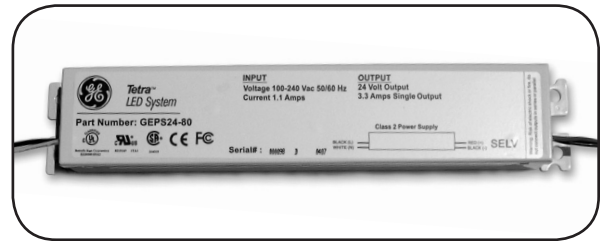


# Tetra® LED Systems Power Supply

(GEPS24-80 & GEPS24-100U)

## Power Supply Features

- Supports Tetra PowerStrip DS, Tetra miniStrip DS, Tetra EdgeStrip, Tetra Contour and Tetra Contour LS LED lighting systems
- Class II wiring per NEC Article 725 (SELV)
- Damp location rated
- IP66 rated: separate enclosure required



## BEFORE YOU BEGIN

Read these instructions completely and carefully.

### ⚠ WARNING/AVERTISSEMENT

#### RISK OF ELECTRIC SHOCK:

- Disconnect power at fuse box or circuit breaker before servicing or installing product.
- Properly ground Tetra® power supply.

#### RISK OF FIRE:

- Use only Tetra® supply wire to make connection from Tetra® power supply to Tetra® LED strip.
- Use only approved wire for input/output connection. Minimum size 18 AWG (0.82 mm<sup>2</sup>)
- Follow all local codes.

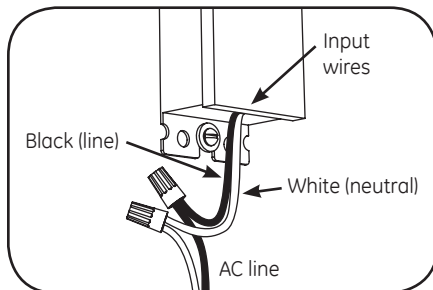
#### RISQUES DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation électrique à la boîte de fusibles ou au disjoncteur avant l'entretien ou l'installation du produit.
- Assurez-vous de correctement mettre à terre l'alimentation électrique Tetra®.

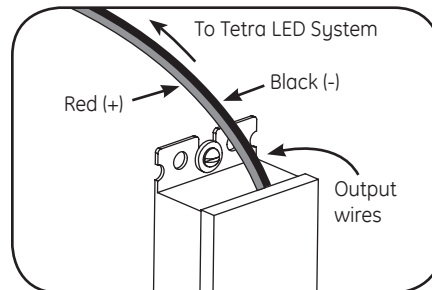
#### RISQUES D'INCENDIE

- N'utilisez que le fil d'approvisionnement Tetra® pour faire la connexion entre l'alimentation Tetra® et la bande DEL Tetra®.
- N'utilisez que des fils approuvés pour les entrées/sorties de connexion. Taille minimum 18 AWG (0.82 mm<sup>2</sup>).
- Respectez tous les codes locaux.

## Power Supply Installation



- 1 Connect the AC line to the black (line) and white (neutral) input wires of the power supply using 18-14 AWG (0.82-2.08 mm<sup>2</sup>) twist-on wire connectors.



- 2 Connect the supply wire that is attached to the Tetra LED System to the red (+) and black (-) output wires of the power supply as outlined in the "Electrical Connections" section of your LED system's Installation Instructions.

#### NOTE: Power Supply Loads

Exceeding maximum load will cause the power supply to shut down. Once the excess load is removed, cycle the input power to restart the power supply.

Specific load information for the supported LED systems can be found in the "Power Supply Specifications" section on the next page.



**NOTE:** For CSA approval, a disconnect/toggle switch of appropriate rating needs to be placed within 29.5 ft. (9 m) of primary side of the power supply. The minimum rating of the switch must be either 120 or 220 Volts AC. The switch must also support twice the amount of input current.

**NOTE:** When installing power supply, connect to the appropriate sized building breaker or disconnect device for line, neutral and ground connections, in accordance with National Electric Code (NEC) Article 600 and all local regulations.

## Power Supply Specifications

Performance Data	GEPS24-80			GEPS24-100U		
	Min	Typical	Max	Min	Typical	Max
Input Voltage (VAC)	108	100-240	264	108	115-277	305
Input Frequency (Hz)	-	50/60	-	-	50/60	-
Input Current (A)	0.5	0.6	1.1	0.4	0.6	1
Output Voltage (VDC)	24.25	25.00	25.75	24.25	25.00	25.75
Output Current (ADC)	-	-	3.3	-	-	4.1
Output Power (W)	-	-	80	-	-	100
Environmental Operating Temperature Range	-40°C	+25°C	+60°C*	-40°C	+25°C	+55°C*
Environmental Humidity (non-condensing)	0%	-	95%	0%	-	95%
Environmental Storage Temperature Range	-40°C	-	+85°C	-40°C	-	+85°C
Dimensions	9.5 in. x 1.7 in. x 1.2 in. (241 mm x 43.2 mm x 30.5 mm)					

\*Maximum case temperature is 90°C

### GEPS24-80

Supports		Maximum Load per Power Supply	Remote Mounting Distance			
Tetra Products	SKUs		18 AWG/ 0.82 mm <sup>2</sup>	16 AWG/ 1.31 mm <sup>2</sup>	14 AWG/ 2.08 mm <sup>2</sup>	12 AWG/ 3.31 mm <sup>2</sup>
Tetra PowerStrip DS	GEWHDSPS6, GEWWDSPS6-50K, GEWWDSPS6-41K, GEWWDSPS6	12 modules/ 16.5 ft. (5.03 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra miniStrip DS	GEWHBDP6, GEWWBDP6-50K, GEWWBDP6-41K, GEWWBDP6	31 modules/ 31 ft. (9.45 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra EdgeStrip	GEWHBIP2, GEWWBIP2-50K, GEWWBIP2-41K, GEWWBIP2	30 modules/ 30 ft. (9.15 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra Contour LS	GEWHXNLA2-WH, GEGLXNLA2-BL, GERDXNLA2-RD, GEWHXNAA2-WH, GEGLXNAA2-BL, GEGLXNAA2-GL, GERDXNAA2-RD	24 ft. (7.32 m)	30 ft./9.1 m	50 ft./15.2 m	80 ft./24.4 m	120 ft./36.6 m
Tetra Contour	GEWHXNLE1, GEWWXNLE1, GEGLXNLE1, GERDXNLE1, GERCXNLE1, GEYAXNLE1	24 ft. (7.32 m)	30 ft./9.1 m	50 ft./15.2 m	80 ft./24.4 m	120 ft./36.6 m

### GEPS24-100U

Supports		Maximum Load per Power Supply	Remote Mounting Distance			
Tetra Products	SKUs		18 AWG/ 0.82 mm <sup>2</sup>	16 AWG/ 1.31 mm <sup>2</sup>	14 AWG/ 2.08 mm <sup>2</sup>	12 AWG/ 3.31 mm <sup>2</sup>
Tetra PowerStrip DS	GEWHDSPS6, GEWWDSPS6-50K, GEWWDSPS6-41K, GEWWDSPS6	16 modules/ 22.0 ft. (6.71 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra miniStrip DS	GEWHBDP6, GEWWBDP6-50K, GEWWBDP6-41K, GEWWBDP6	39 modules/ 39 ft. (11.89 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra EdgeStrip	GEWHBIP2, GEWWBIP2-50K, GEWWBIP2-41K, GEWWBIP2	37 modules/ 37 ft. (11.28 m)	20 ft./6.1 m	25 ft./7.6 m	35 ft./10.6 m	40 ft./12.1 m
Tetra Contour LS	GEWHXNLA2-WH, GEGLXNLA2-BL, GERDXNLA2-RD, GEWHXNAA2-WH, GEGLXNAA2-BL, GEGLXNAA2-GL, GERDXNAA2-RD	30 ft. (9.15 m)	30 ft./9.1 m	50 ft./15.2 m	80 ft./24.4 m	120 ft./36.6 m
Tetra Contour	GEWHXNLE1, GEWWXNLE1, GEGLXNLE1, GERDXNLE1, GERCXNLE1, GEYAXNLE1	30 ft. (9.15 m)	30 ft./9.1 m	50 ft./15.2 m	80 ft./24.4 m	120 ft./36.6 m

Conforms to the following standards:



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