

Tetra[®] LED Systems Power Supply

(GEPS24-20)

Power Supply Features

- Supports Tetra PowerStrip DS, Tetra miniStrip DS, Tetra EdgeStrip, Tetra Contour and Tetra Contour LS LED lighting systems
- Class 2 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 mm²)
- Follow all local codes.

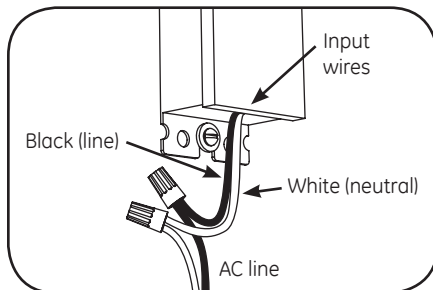
RISQUES DE DÉCHARGES ÉLECTRIQUES

- 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[®].

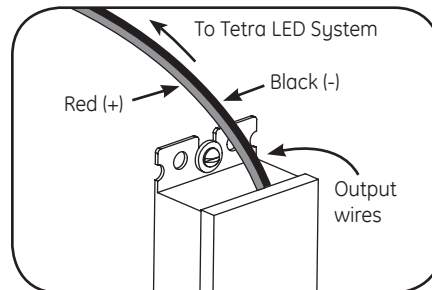
RISQUES D'INCENDIE

- 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 mm²).
- 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 mm²) 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.



imagination at work

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 and neutral connections, in accordance with local, state or country regulations.

Power Supply Specifications

Performance Data	Min	Typical	Max
Input Voltage (VAC)	90	120-240	264
Input Frequency (Hz)	-	50/60	-
Input Current (A)	-	-	0.31
Output Voltage (VDC)	23.0	24.3	25.6
Output Current (ADC)	-	-	0.83
Output Power (W)	-	-	20
Environmental Operating Temperature Range	-40°C	+25°C	+60°C*
Environmental Humidity (non-condensing)	10%	-	95%
Environmental Storage Temperature Range	-40°C	-	+85°C
Environmental Rating	IP66 rated: separate enclosure required		
Dimensions	5.9 in. x 1.5 in. x 1.3 in. (150 mm x 37 mm x 32 mm)		

*Maximum case temperature is 80°C

Supports Tetra Products	SKUs	Maximum Load per Power Supply	Remote Mounting Distance			
			18 AWG/ 0.82 mm ²	16 AWG/ 1.31 mm ²	14 AWG/ 2.08 mm ²	12 AWG/ 3.31 mm ²
Tetra PowerStrip DS	GEWHDSPS6, GEWWDSPS6-50K, GEWWDSPS6-41K, GEWWDSPS6	3 modules/4.1 ft. (1.26 m)	120 ft. (36.6 m)	-	-	-
Tetra miniStrip DS	GEWHBDP6, GEWWBDP6-50K, GEWWBDP6-41K, GEWWBDP6	8 modules/8 ft. (2.44 m)	120 ft. (36.6 m)	-	-	-
Tetra EdgeStrip	GEWHBIP2, GEWWBIP2-50K, GEWWBIP2-41K, GEWWBIP2	7 modules/7 ft. (2.13 m)	120 ft. (36.6 m)	-	-	-
Tetra Contour LS	GEWHXNLA2-WH, GEBLXNLA2-BL, GEGLXNLA2-GL, GERDXNLA2-RD, GEWHXNAA2-WH, GEBLXNAA2-BL, GEGLXNAA2-GL, GERDXNAA2-RD,	6 ft. (1.83 m)	120 ft. (36.6 m)	-	-	-
Tetra Contour	GEWHXNLE1, GEWWXNLE1, GEBLXNLE1, GEGLXNLE1, GERDXNLE1, GERCXNLE1, GEYAXNLE1	6 ft. (1.83 m)	120 ft. (36.6 m)	-	-	-

NOTE: Minimum wire size for remote mounting is 18AWG (0.82 mm²). For information regarding longer remote mounting distances, contact technical support.

Conforms to the following standards:



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