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Tips for Neon Power Supply Installation and Troubleshooting

Avoiding Overheating Problems

- Proper mounting will allow you to avoid damage to your transformer from heat
- Mount the neon transformer in a properly ventilated space
- Make sure one or more sides of the transformer make surface-to-surface contact to the transformer box, raceway, etc.
- Do not double nut mount the transformer—use a solid plate under the transformer instead

Tips for Installation

- An approved ground connection must be used or the sign will not light
- Branch circuit conductors must be properly polarized, it's not uncommon to find them reversed. Use a polarity tester to verify that the black wire is actually "hot" and the neutral wire is actually "grounded"
- Avoid sharing any neutral conductor of the sign system with another load. A shared connection will mimic a bad ground and cause intermittent flashing or shut downs.

View luminous tube footage charts on our site!

Avoid Capacitive Coupling

Excessive capacity coupling can cause dim displays because of lost power, false tripping of the ground fault protection and excessive current draw.

Get the most from your neon sign by following these tips

- Minimize the length of GTO cable runs
- Maintain maximum possible clearance (at least 1.5") between any metal surface and neon segments
- Separate neon power supplies from each other as far as possible

View best practice wiring diagrams on our site!

Read more tips and view detailed installation diagrams on our website

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