

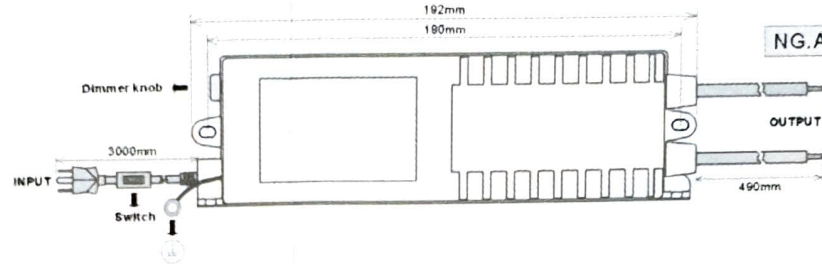
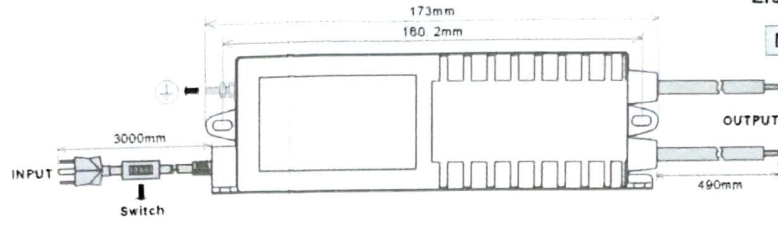
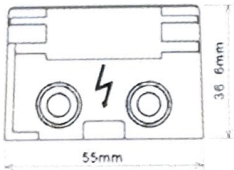
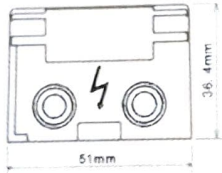


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INSTRUCTIONS

Neon Power Supplies

MODEL:NG.A104FL NG.A108FT



SPECIFICATION

MODEL	NG.A104FL	NG.A108FT
INPUT	120V±10%/60Hz/0.36A Max.	120V±10%/60Hz/0.63A Max.
OUTPUT	4kV 30mA	8kV 30mA
POWER FACTOR	>0.9	>0.9
WEIGHT	0.73kg	0.8kg
PROTECTION CIRCUIT	Open circuit protection Over heat protection Earth-leakage protection circuit	Open circuit protection Over heat protection Earth-leakage protection circuit
DIMMER	NO	YES

Model	Tube Load Length	Tube 4 mm	7	8	9	10	11	12	13	15
NG.A104FL	Gas Pressure(mmHg)		18	17	15	13	12	11	10	9
	Tube Length Feet (Clear or red neon)		6	7	7	9	10	12	15	17
	Tube Length Feet (Mercury/Argon)		7	8	8	11	12	14	16	19
NG.A108FT	Tube Length Feet (Clear or red neon)		12	13	15	19	22	26	29	33
	Tube Length Feet (Mercury/Argon)		14	15	18	23	26	31	33	40

NOTES

- All listed values are indicative and represent an average. Values can significantly vary due to filling pressure, temperature, high voltage cable length, electrode type and sign material.
- Deduct 1 foot for each Pair of electrodes from above load length figures.
- Footage for mercury filled tubes based on operation at 4°C (40°F) or above.
- Deduct 25% of footage for operation below 4°C (40°F).

WARNING

To reduce the risk of various hazards associated with this power supply, which if not avoided could result in death or serious injury and/or property damage:

- Read, understand, and follow all safety information contained in this "INSTRUCTIONS" prior to installing, using or fixing the power supply. Always ensure that the power supply is used safely. Retain these instructions for future reference.

- The use of a neon tube not recommended by the manufacturer may cause a risk of fire, electric shock or injury to persons.

To reduce the risk associated with hazardous voltage and/or fire, which if not avoided could result in death or serious injury and/or property damage:

- Installation or maintenance must only be performed by qualified service personnel. Installations should comply with all national and local electric codes.
- The power supply is for indoor use only. Do not immerse this power supply in water or other liquids.
- Make sure that the operating voltage of the power supply corresponds to your local voltage before plugging the power supply into power source.
- Always switch power off and unplug power supply from electrical outlet before accessing the output, the neon tube and servicing and when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
- Do not operate power supply with a damaged power cord or output GTO leads until it has been examined by a qualified service technician.
- Do not disassemble this power supply yourself.
- Do not obstruct any ventilation for this power supply.
- If an earthing connection for the metallic parts of the neon tubes is necessary, a cord complying with national and local electric code should be used. Cords rated for less amperage than the national and local electrical code may result in hazards.
- If an earthing connection for the metallic parts of the neon tubes is necessary, the connections should not be subject to corrosion due to electrochemical action.

INSTALLATION

Installations should comply with all national and local electric codes

CAUTIONS

1. Output of the neon power supply is high voltage and dangerous, to avoid electrical shock, do not plug the neon power supply into power source until all connections to the sign have been made.
2. Do not access the output and the neon tube until the power supply has been disconnected from the power source.

Step

1. Mount the transformer securely with the mounting slots on either a metallic or non-metallic resistance to fire surface, free airflow should be ensured to provide adequate ventilation. Connect output GTO leads to the neon electrodes. Insulate any bare wire as required by national or local electric codes.
2. (Optional) Grounding: The ground terminal provided on the power supply allows grounding metallic parts of the sign. Before connecting the metallic parts of the sign to the grounding terminal, remove all paint or varnish at banding point, and install a lock washer and resilient means such as resilient washer to insure good contact.
3. Plug the unit into the appropriate power outlet. Switch on the neon power supply. If there is a short or open circuit, or abnormal neon tubing lighting occurred, unplug the transformer and do necessary repair work to the sign. Then take the step 3 again.

4. Secondary Ground Fault Protection Circuit

This power supply has a built-in protection circuit specifically designed to shut off if a short circuit to ground occurs, which may be created by either an arc or short circuit between cable or electrodes to ground or similar conditions.

If the SGFP circuit is activated:

- 1) Disconnect line cord.
- 2) Repair secondary fault.
- 3) Reconnect line cord and switch on until the sign illuminates.

5. For NG-AT08FT, the brightness of neon tube can be adjusted by turning the dimmer knob, when it is required.

IMPORTANT INSTALLATION NOTES

1. It is recommended to install the power supply in such a position so as to make the GTO leads as short and as equal as possible. The overall length of the GTO leads should be less than 6 feet (2m), and always keep a minimum 1 1/4 inch (30mm) between each GTO and any metallic surface.
2. When using more than one power supply to illuminate a sign, please keep at least 3 inches (75mm) between power suppliers, never cross GTO leads or cross leads with the supply leads.
3. Risk of fire, do not connect any part of output circuit to any grounded metal.
4. The Secondary Ground Fault Protection circuit doesn't protect against shock hazard.



(Wechat)