SIGNBRIDGE PLUS INDOOR 150 W LED DRIVER

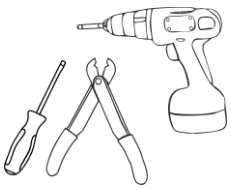
INSTALLATION GUIDE FOR MODEL: BPSP.I-150-12/24V.3

READ THE INSTRUCTIONS CAREFULLY BEFORE MOUNTING

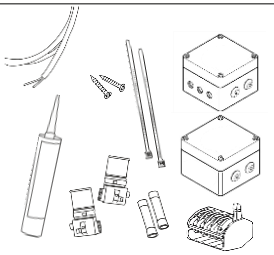
- **Power supply operating** temperature is from -20 to +50 °C. To ensure adequate ventilation, mounting power supplies without a secondary enclosure is recommended.
- Space power supplies by standard knockout locations 19 mm minimum. If two or more power supplies are used, spacing must be at least 25 mm end-to-end, and 102 mm on each side. Power supply spacing to thermoplastic, wood, fibre, or other combustible enclosure materials must be 25 mm.
- Ensure power supplies are not overloaded by verifying :

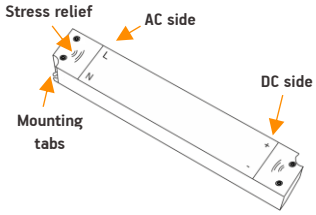
FOR	OUTPUT CURRENT IS	FOR BEST PERFORMANCE RECCOMENDING
12V	< 12.5 A	< 10 A
24 V	< 6.25 A	< 5 A

- Use of photocells or timing device is recommended to ensure power supplies are off during day light hours, when sign illumination is not needed. Higher daytime temperatures and unnecessary operation may shorten power supply lifetime.

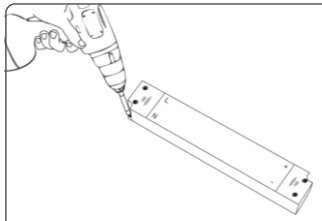


Tools reguired. Wire strippers, drill, screwdriver.

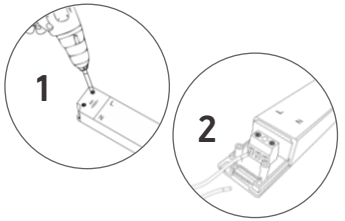




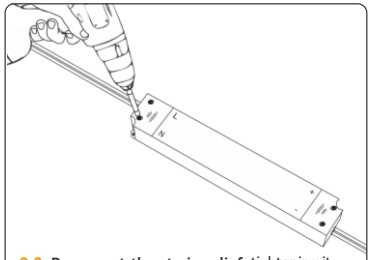
1. Identify **primary input** side (AC side), secondary **output side** (DC side), and **mounting tabs** on the power supply. Locate the **strain relief** (cable gland) on the power supply.



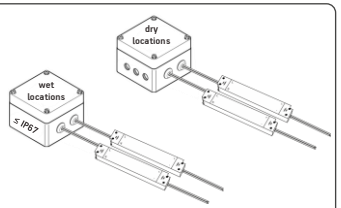
2. **Position the power supply** at the installation site. Use the **mounting tabs** in the corners to secure it. Secure the power supply using ST 4.2 or ST 4.8 pan head screws.



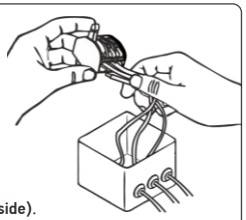
3.1. **Remove the strain relief** from the power supply. This allows easy insertion of the cables. Insert **the primary and secondary cables** through the opening where the strain relief was.



3.2. **Reconnect the strain relief**, tightening it securely to hold the cables in place and protect them from movement or damage.

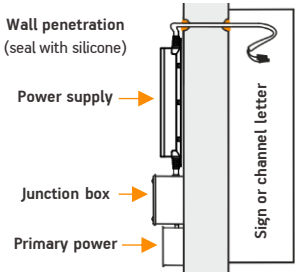


3. **Configure power supplies:** secure power supplies to junction box. **Power supplies may be joined together in a wide array of configurations. For wet locations use a junction box that has IP class for wet locations.**



4. **Connect Primary (AC side).** Connect the Live (L) and Neutral (N) wires from the AC power source to the corresponding input terminals on the power supply. **CAUTION:** Have a licensed electrician connect primary input

5. **Make secondary connections (DC side):** Ensure all secondary connections are positive to positive and negative to negative. If wires go through wall - seal with silicone to avoid water damage. Also check and fix with gasket or other rubber material sharp edges because it can damage the wire and there could occur short circuit connections



TROUBLESHOOTING

If the power supply does not operate, follow these recommended steps:

1. Disconnect the power supply from the mains.
2. Using a multimeter in continuity mode, check the LED module chain for a possible short circuit.
3. If a continuity signal is detected (short circuit present), locate and eliminate the cause before reconnecting.
4. Connect the PSU to mains without any load connected and measure the output voltage (12V / 24V).
5. If no output voltage is present, disconnect from mains and inspect terminal connections.
6. If output voltage is present, check terminal connections and wiring on the LED module side.

If the power supply does not operate correctly after performing the above checks:

- Do not attempt to open or repair the unit.
- Disconnect it from mains power.
- Contact your supplier for further evaluation.

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