Please read this operation manual carefully and use the T-45BL properly.

**A Place to Install the T-45BL**

- The unit should be used in a temperature and humidity-controlled room.
  - Keep the unit away from a place with poor ventilation, in dust or metal pieces.
- Do not place any objects on the unit.
- The place to install the unit should be vibration-free and the unit should be securely fixed. If the unit is installed on the wall or on a high place, make sure to use the attached Mounting Bracket to fix it securely.
- Do not install the unit close to high voltage equipments.

**Operating Precautions**

- Install a leakage breaker and safety breaker on the input power source and connect the ground to use the unit.
- Connect to a power source of the specified voltage.
- Do not use with other drivers or devices except the models listed in this operation manual.
- If the protection circuit works due to overheat, stop operation immediately, pull the power plug from the outlet and send it back to your HIOS distributor for repair.
- The unit may automatically stop in use when the protection circuit works due to overcurrent, etc. Turn off the power switch once and turn it on in 5 sec for restart.
- If the unit stops while in screw fastening, make sure to check the torque of the fastened screw.
- Do not disassemble or modify the unit.
- Do not drop the power Supply or subject it to violent impact.
- Do not drag the unit by its driver cord or AC cord. Keep the cords away from foreign objects, oil or something sharp.
- Make sure to grasp the plug section to disconnect the AC cord from the outlet.
- Turn the unit off and disconnect the AC cord from the outlet when the unit is not in use.

**IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS.**

- **DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. CAREFULLY FOLLOW THESE INSTRUCTIONS.**

### The HIOS Screwdriver Models to Use with the T-45BL

<table>
<thead>
<tr>
<th>Series</th>
<th>Model Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLG-ZERO1</td>
<td>BLG-ZERO1/BLG-4000/BLG-5000/BLG-5000-15*/BLG-5000-OPC*</td>
</tr>
<tr>
<td>BLG-BC2</td>
<td>BLG-4000BC2/BLG-5000BC2/BLG-5000BC2-15*/BLG-5000-OPC*</td>
</tr>
<tr>
<td>BLG-BC1</td>
<td>BLG-4000BC1/BLG-5000BC1/BLG-5000BC1-15*/BLG-5000-OPC*</td>
</tr>
<tr>
<td>BLG</td>
<td>BLG-4000/BLG-5000/BLG-5000-15*/BLG-5000-OPC*</td>
</tr>
<tr>
<td>BLG-OPC</td>
<td>BLG-4000-OPC/BLG-5000-OPC/BLG-5000-OPC-15*/BLG-5000-OPC*</td>
</tr>
<tr>
<td>BL</td>
<td>BL-2000/BL-3000/BL-5000/BL-5000-15*/BL-5020*</td>
</tr>
<tr>
<td>BL-OPC</td>
<td>BL-2000-OPC/BL-3000-OPC/BL-5000-OPC/BL-5020-OPC*</td>
</tr>
</tbody>
</table>

Use only 2(HI) power outlet with the * models. These models may not perform properly on 1(LOW) power outlet.

### Accessories

- AC Cord 1.8m 1 piece
- Mounting Bracket 1 piece
- Screw 1 piece

### Mounting Bracket

Make sure to use the attached Mounting Bracket and the screw to fix the unit securely if you install it on the work table, the wall, etc.

### Dimension and Part Names

#### Unit: mm

- **Connector for AC Cord**
- **Connector for the Brushless Screwdriver**

(Caution)

- The above dimensions do not include concavity and convexity.
- The above drawing is not a full-scale.

### Specification

<table>
<thead>
<tr>
<th>Model Name</th>
<th>T-45BL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>AC100-240V (47-63Hz)</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>45VA-78VA</td>
</tr>
<tr>
<td><strong>Fuse capacity</strong></td>
<td>3.15A/250V (Built-in)</td>
</tr>
<tr>
<td><strong>Secondary Output Voltage</strong></td>
<td>HI(2): DC30V / LOW(1): DC20V (2-step switchable)</td>
</tr>
<tr>
<td><strong>External Dimensions</strong></td>
<td>71.5 × 146 × 42.6mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>320g</td>
</tr>
<tr>
<td><strong>Number of Connectable Screwdrivers</strong></td>
<td>1 unit</td>
</tr>
</tbody>
</table>

### Connector for AC Cord

- Selection of Power Supply Cord:
  - Use in U.S.A. - Use UL Listed detachable power supply cord, No.18AWG,3 conductors, flexible cord, rated 10A, VW-1, 80°C, minimum 1.8m, maximum 3 m long. Provided with a molded-on, non-polarized attachment plug with a 15A, 125V (NEMA6-15P) or 15A, 250V (NEMA 6-15P) configuration and a molded-on connector which mates with the Power Inlet.
  - The following flexible cord type may be used: S, SE, SO, SP-3, SPT-3, STSTO, SJ, SJE, SJ, SSTO, SP-2, SPE-2, SPT-2, SV, SVE, SVT.
  - Use in countries other than U.S.A. - Use IEC60227 certified PVC flexible power supply cord, marked H03VVF or H05VVVF, 3C x 0.75 mm², rated min. 10A, 250V

- **Power Switch**
  - 1: ON / O: OFF

- **POWER Indicator**
  - This Green LED light turns on when the power is on.
  - (If the light does not turn on, send it to your HIOS distributor for repair.)

- **DC Output Switch**
  - 2: HI (DC30V) / 1: LOW (DC20V)