

**HIOS®  
BLC Series  
DC  
Screwdrivers  
Controller**



# HIOS BLC Series DC Screwdrivers Controller Instruction Manual

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**HIOS BLC Series DC Screwdrivers Controller**



## FAQs

- **Q: What should I do if the unit stops during operation?**
  - **A:** If the unit stops while in screw fastening, make sure to check the torque of the fastened screw.
- **Q: Can I use this unit with other drivers not listed in the manual?**
  - **A:** Do not use with other drivers or devices except the models listed in this operation manual.
- **Q: How should I handle overheating issues?**
  - **A:** If the protection circuit works due to overheating, stop operation immediately, pull the power plug from the outlet and send it back to your HIOS distributor for repair.

## Important Safety Instructions

Before using this machine, read this section and follow the instructions to properly use this machine.

### Installation

- The unit should be used in a temperature and humidity-controlled room. Keep the unit away from a place with poor ventilation, 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 in a high place, make sure to use the attached Mounting Bracket to fix it securely.
- Do not install the unit close to high-voltage equipment.

### Handling

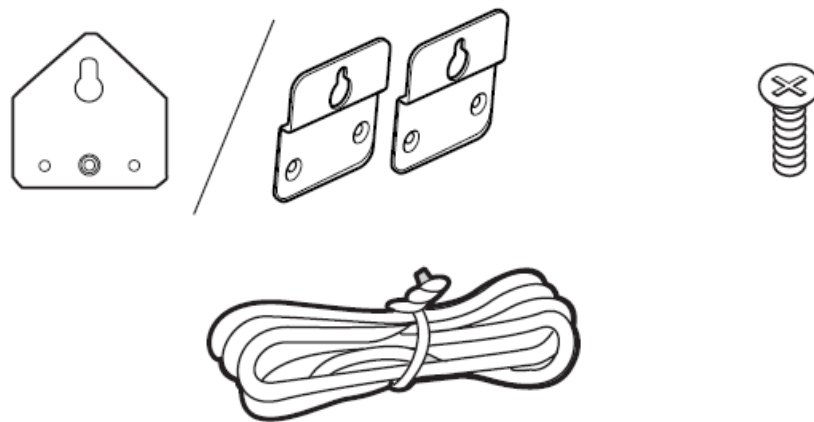
- Install a leakage breaker and safety breaker on the input power source and connect the ground to use the unit.
- Connect to a power source of the specified voltage.
- Do not use it with other drivers or devices except the models listed in this operation manual.
- If the protection circuit works due to overheating, 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 seconds for a 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.

#### Selection of Power Supply Cord:

- Use in the U.S.A. – Use the listed detachable power supply cord, No.18AWG,3 conductors, flexible cord, rated 10A, VW-1, 80°C, minimum 1.8 m, maximum 3 m long.
- Provided with a molded-on, non-polarized attachment plug with a 15A, 125V (NEMA5-15P) or 15A, 250 V (NEMA 6-15P) configuration and a molded-on connector that mates with the Power Inlet.
- The following flexible cord types may be used: S, SE, SO, SP-3, SPT-3, ST, STO, SJ, SJE, SJO, SJT, SJTO, SP-2, SPE-2, SPT-2, SV, SVE, SVT.
- Use in countries other than the U.S.A. – Use IEC60227 certified PVC flexible power supply cord, marked H03VVF or H05VVF, 3C x 0.75 mm<sup>2</sup>, rated min. 10A, 250V

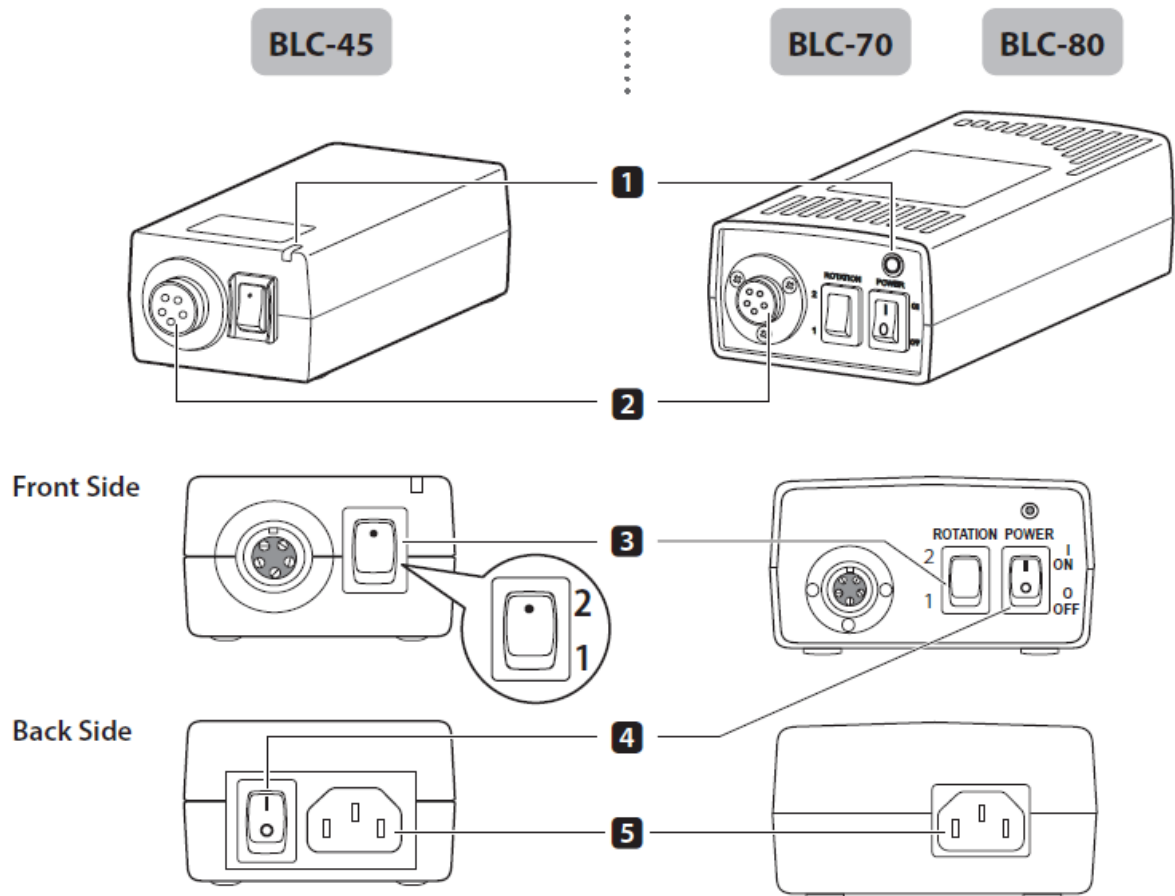
#### Accessories



#### AC Cord (1.8m)

Model	Mounting Bracket	Screw
BLC-45	1pc	1pc
BLC-70/BLC-80	2pcs	4pcs

#### Parts and Their Functions



1. **Power Indicator:** Lights up when the power switch is turned ON.
2. **Connector for the Screwdriver:** Connect the screwdriver cord.
3. **DC Output Switch:** 2 (HI: DC30V) / 1 (LOW: DC20V)
4. **Power Switch:** Turns the power ON or OFF.
5. **Connector for AC Cord:** Connect the power cord.

## Compatible Screwdrivers

### Compatible Screwdrivers (Including OPC/SS Type) BLC-45

Series	Model
BLG-BC2	BLG-4000BC2/BLG-4000BC2-LT/BLG-5000BC2/BLG-5000BC2-15*/BLG-5000BC2-HT*
BLG-BC1	BLG-4000BC1/BLG-5000BC1/BLG-5000BC1-15*/BLG-5000BC1-HT*
BLG-ZERO1	BLG-4000ZERO1/BLG-5000ZERO1/BLG-5000ZERO1-15*/ BLG-5000ZERO1-HT*
BLG BL	BLG-4000/BLG-5000/BLG-5000-15*/BLG-5000-HT*
	BL-2000/BL-3000/BL-5000/BL-5000-15*/BL-5020*

### BLC-70

Series	Model
BLG-BC2	BLG-4000BC2/BLG-4000BC2-LT/BLG-5000BC2/BLG-5000BC2-15*/ BLG-5000BC2-18*/BLG-5000BC2-HT*/BLG-7000BC2*
BLG-BC1	BLG-4000BC1/BLG-5000BC1/BLG-5000BC1-15*/BLG-5000BC1-18*/ BLG-5000BC1-HT*
BLG-ZERO1	BLG-4000ZERO1/BLG-5000ZERO1/BLG-5000ZERO1-15*/ BLG-5000ZERO1-18*/BLG-5000ZERO1-HT*
BLG BL	BLG-4000/BLG-5000/BLG-5000-15*/BLG-5000-18*/BLG-5000-HT*
	BL-2000/BL-3000/BL-5000/BL-5000-15*/BL-5020*/BL-7000/BL-7000HT

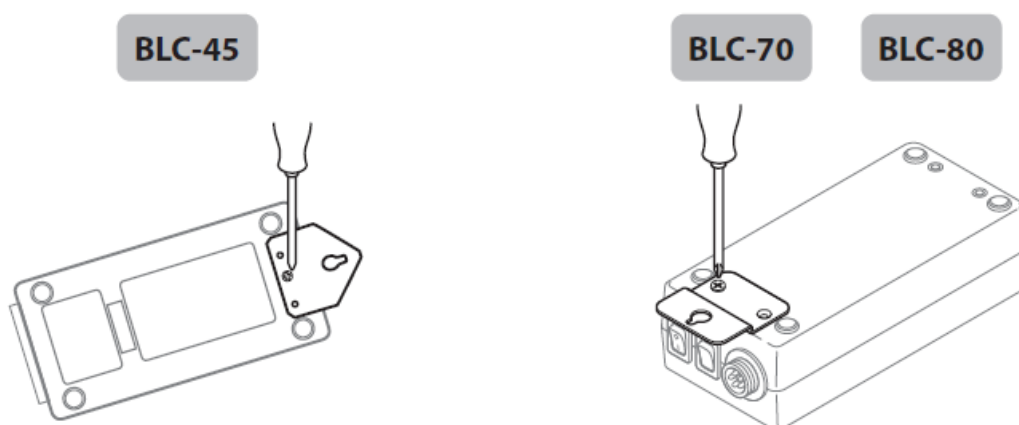
## BLC-80

Series	Model
BLG-BC2	BLG-4000BC2/BLG-4000BC2-LT/BLG-5000BC2/BLG-5000BC2-15*/ BLG-5000BC2-18*/BLG-5000BC2-HT*/BLG-7000BC2*/BLG-7000BC2-GT (-S, -HANDLE)*

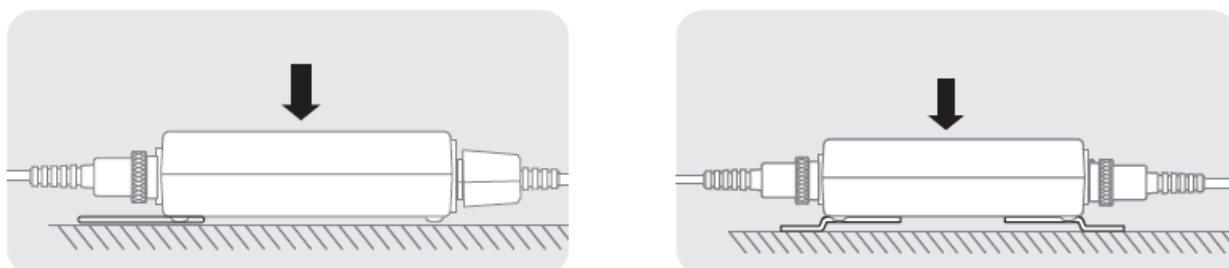
Use only 2(HI) power outlets with the \*models. These models may not perform properly on 1(LOW) power outlet.

## Attach the Mounting Bracket

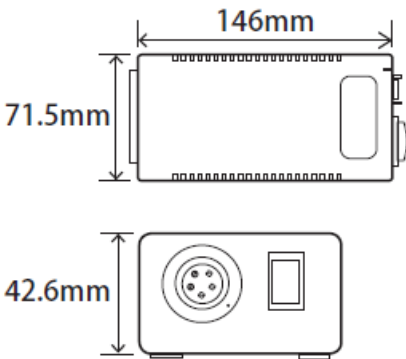
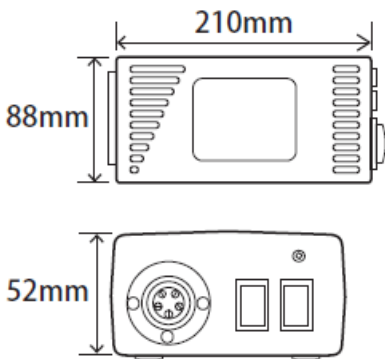
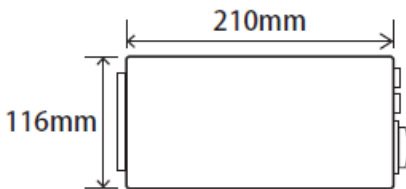
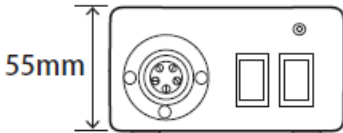
- Make sure to use the attached Mounting Bracket and the screw to fix the unit securely if you install it on the work table, the wall, etc.



## Example



## Specifications

Model Name		BLC-45	BLC-70
Primary Side	Input Voltage	AC100-240V (47-63Hz)	
	Power Consumption	45-78VA Fuse capacity: 3.15A/250V (Built-in)	40-65VA Fuse capacity: 5A/250V (Built-in)
Secondary Output Voltage		HI(2): DC30V / LOW(1): DC20V (2-step switchable)	
External Dimensions			
Weight		320g	685g
Number of Connectable Screwdrivers		1 unit	
Model Name		BLC-80	
Primary Side	Input Voltage	AC100-240V (47-63Hz)	
	Power Consumption	65VA max. Fuse capacity: T3A/250V (Built-in)	
Secondary Output Voltage		HI(2): DC30V / LOW(1): DC20V (2-step switchable)	
External Dimensions			
Weight		1.37kg	
Number of Connectable Screwdrivers		1 unit	

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## Documents / Resources

