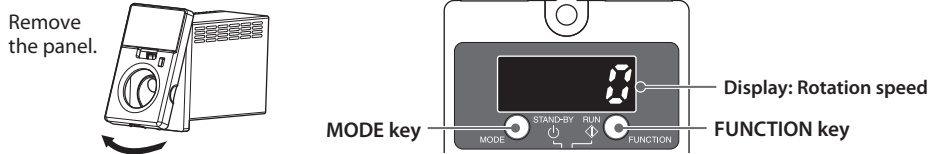


Many other useful features are also available

For example....

The rotation speed will not change even if the setting dial is turned.



To lock the setting data

- 1 Press the MODE key
 Top screen of monitor mode
- 2 Press and hold the MODE key for 5 seconds
 The display blinks several times
 When the FUNCTION key is pressed, the rotation speed is displayed.

To release the lock

- 1 Press the MODE key
- 2 Press and hold the MODE key for 5 seconds
 The display blinks several times

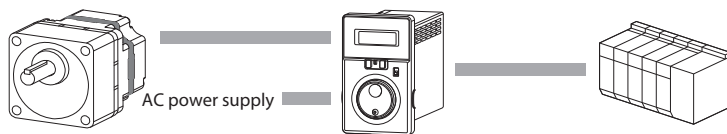
And others....

- ▶ To display the rotation speed of the gearhead output shaft
- ▶ To display the size of a load
- ▶ To hold a load by the slight position-keeping function
- ▶ To increase the rotation speed slowly

As mentioned in the right, various operating functions are available.

OPERATING MANUAL Refer to "Convenient functions."

The motor can be operated using a programmable controller.



OPERATING MANUAL Refer to "Operating by programmable controller."

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Orientalmotor



HM-5191-2

! Be sure to ground the Protective Earth Terminal (ground terminal) to ensure the safe use of the product.

Refer to "1 Connecting" for details, and ground securely.

Brushless Motor

BMU Series

30 W / 60 W / 120 W Connector type

QUICK START GUIDE

This document describes for when the motor is of the connector type. The descriptions other than "connection for motor and cable" are common to the BMU Series.

Thank you for purchasing an Oriental Motor product.

Use the product correctly after thoroughly reading the section "Safety precautions" of the operating manual.

This document describes methods till rotating the motor after connecting it to the driver.

For details about how to use the product, refer to the **OPERATING MANUAL** supplied with the driver.

Package contents

The package includes the items shown below.

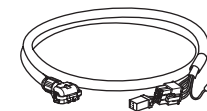
- Driver
- Connector
 - CN1 : 3 pin
 - CN4 : 9 pin
- QUICK START GUIDE (this document)
- OPERATING MANUAL

Motor (sold separately)

- Motor
 - Mounting screw set
- The figure shows an example of the combination type.
- Supplied with the combination type.
- OPERATING MANUAL

* Be sure to match the motor output power with the driver output power.

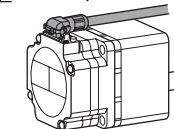
Connection cable (sold separately)



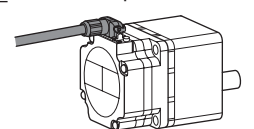
There are two types of connection cables which cable leading directions are different. (→ Refer to the right figure)

To connect the motor and driver, the dedicated connection cable is always needed.

- [Leading in direction of output shaft]
- [Leading in opposite direction of output shaft]



Model: CC_HBLF



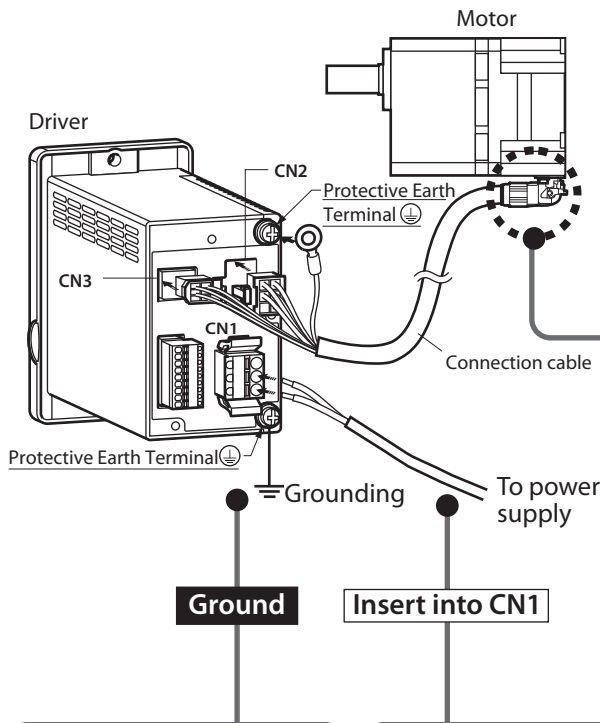
Model: CC_HBLB

For the round shaft type, only the cable for leading in opposite direction of output shaft can be used.

1 Connecting

OPERATING MANUAL

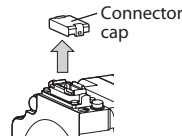
Refer to "Connection"



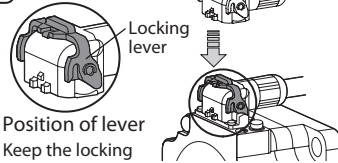
Connection for motor and cable

This is an example for when the cable is "leading in direction of output shaft." In the case of the cable of "leading in opposite direction of output shaft," the cable leading direction is opposite in ② and ③.

1 Remove



2 Attach



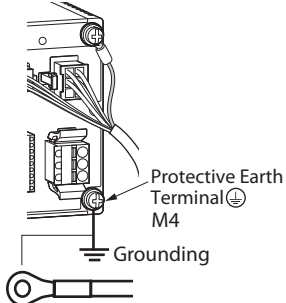
Position of lever
Keep the locking lever in the position shown in the figure, and insert.

3 Secure



Be sure to turn down the locking lever till the position shown in the figure.

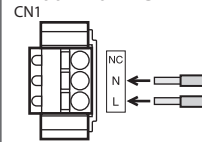
Be sure to ground using the Protective Earth Terminal.



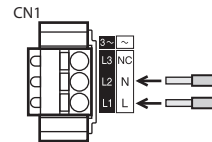
Prepare a grounding wire since it is not supplied with the product.
AWG18 to 14 (0.75 to 2.0 mm²)

Connect a power supply cable according to the power-supply voltage specifications of the driver. Prepare the power supply cable since it is not supplied with the product.

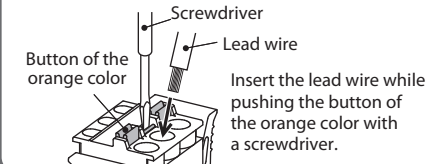
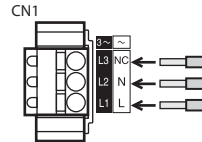
• Single-phase
100-120 VAC



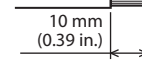
• Single-phase
200-240 VAC



• Three-phase
200-240 VAC

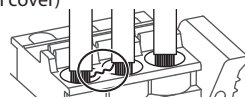


AWG18 to 14
(0.75 to 2.0 mm²)



Note Be sure to ground the product. Failure to do so may result in electric shock or damage to the product. Static electricity may cause damage to the product if the Protective Earth Terminals are not grounded.

Note Insert the lead wire to the connector so that the tip part (copper wires after stripping the insulation cover) does not become loose. The loose tip part (copper wires) may cause short-circuiting, leading to damage to the product.



2 Operating a motor

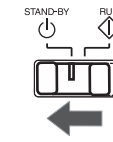
OPERATING MANUAL

Refer to "Operating by front panel"

1 AC power ON

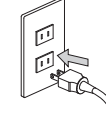
Set the operation switch to

[STAND-BY]

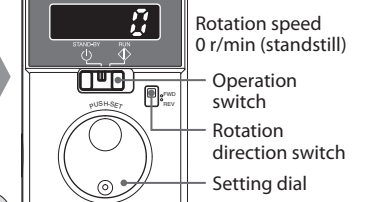


Power ON

The figure is an example for when the product is of a single-phase 100 VAC.



The display blinks



Rotation speed
0 r/min (standstill)

Operation switch

Rotation direction switch

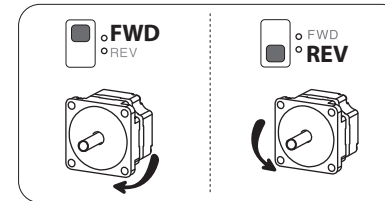
Setting dial

If the power supply is turned on while the operation switch is set to the RUN side, the alarm **88.48** is generated.

[How to reset] Set the operation switch to [STAND-BY]. The alarm is reset, and the motor rotation speed is displayed.

2 Rotation direction selection

Select the motor rotation direction using the rotation direction switch.

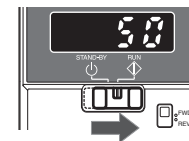


The figures show the round shaft type. Check the operating manual supplied with the motor for the rotation direction of the gearhead output shaft.

3 Start of motor

Set the operation switch to

[RUN]

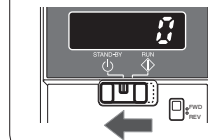


The motor rotates.
50 r/min (factory setting)

To stop the motor

Set the operation switch to

[STAND-BY]



The motor stops.

4 Change of motor speed [Example: 50 → 1000 r/min]

Adjustment



Set



When the setting dial is pressed, the display changes to lighting from blinking, and the speed will be set.



Decelerate Accelerate



Press

When the setting dial is turned, the display blinks. You can change the speed while blinking.

When you start the motor next time, it will rotate at the set speed.