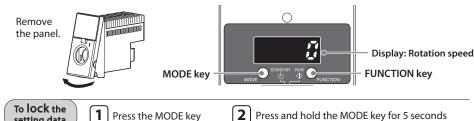
Many other useful features are also available

For example.....

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



setting data



several times

The display blinks

When the **FUNCTION** kev is pressed, the rotation speed is displayed.

To release the lock

1 Press the MODE key

nan





As mentioned in the right,

The display blinks several times

And others.....

► To display the rotation speed of the gearhead output shaft

Top screen of

monitor mode

- To display the size of a load
- To hold a load by the slight position-keeping function
- ► To increase the rotation speed slowly

various operating functions are available.



OPERATING MANUAL Refer to "8 Convenient functions."

The motor can be operated using a programmable controller.





OPERATING MANUAL Refer to "7 Operating by programmable controller."

ORIENTALMOTOR CO.,LTD.

Oriental motor



 $lue{1}$ Be sure to ground the Protective Earth Terminal $lue{1}$ (ground terminal) to ensure the safe use of the product.

Brushless Motor

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

BMU Series

200 W / 300 W / 400 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

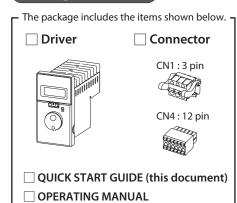
Thank you for purchasing an Oriental Motor product.

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



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

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

0

Driver

CN3-

CN1

Motor

Connection cable

To power

supply

Protective Earth Terminal

Insert into CN1

Protective

Earth Terminal (

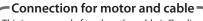
OPERATING MANUAL

Refer to "5 Connection"

2 Operating a motor

OPERATING MANUAL

Refer to "6 Operating by front panel"



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**





lever in the position shown in the figure, and insert.

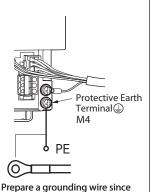




Be sure to turn down the locking lever till the position shown in the figure.



Ground

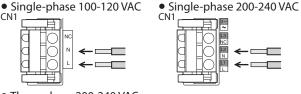


it is not supplied with the product.

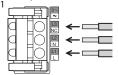
AWG18 to 14 (0.75 to 2.0 mm²)

Connect a power supply cable according to the power-supply voltage specifications of the driver.

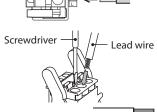
Prepare the power supply cable since it is not supplied with the product.



Three-phase 200-240 VAC



The 400 W type is indicated L1, L2, and L3 only.



AWG18 to 14 10 mm $(0.75 \text{ to } 2.0 \text{ mm}^2)$ (0.39 in.)

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

AC power ON

Set the operation switch to [STAND-BY]



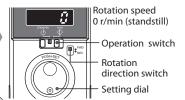
Power ON The figure is an example for when the product is of a



single-phase 100 VAC.



The display blinks

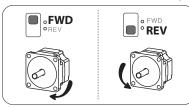


If the power supply is turned on while the operation switch is set to the RUN side, the alarm **R** : Y is generated.

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

Rotation direction selection

Select the motor rotation direction using the rotation direction switch.



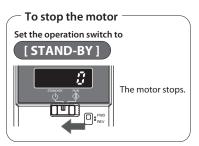
The figures show the round shaft type. With the combination type, the gearhead output shaft rotates in the opposite direction to the above figure when the gear ratio is 30 and 50.

Start of motor

Set the operation switch to [RUN]



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



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





changes to lighting from blinking, and the speed will be set.

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

When the setting dial is

pressed, the display



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.