



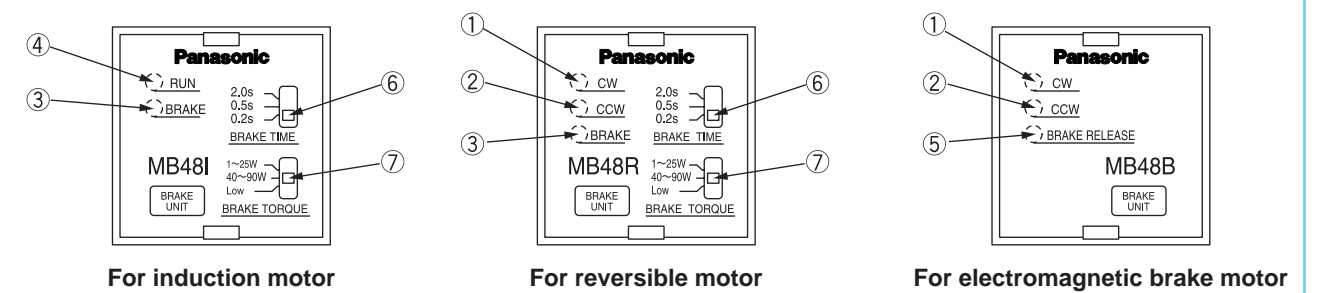
- Features**
 - Maintenance-free**
 Unlike a relay control panel, wiring is not necessary. Contactless configuration requires no maintenance.
 - Various motor capacities can be selected.**
 Can support 1 W to 90 W motors. With 40 W or larger motors, selection can be made with the brake torque switch. Brake resistor is not required and wiring is simplified.
 - Easier standardization of panel design**
 Control panel can be sized to DIN standard at lower total cost.
 - Various options**
 One option, mounting frame, for example, allows installation of the unit on the panel.
 - Soft-braking capability**
 The brake torque switch has "LOW" position. In this position, the brake torque is reduced.
 - Braking time**
 Time is simply adjustable from the selector switch.

• Specification

Item	Part No.	DVMB481L	DVMB481Y	DVMB48RL	DVMB48RY	DVMB48BL	DVMB48BY
Rated voltage		Single-phase 100 VAC	Single-phase 200 VAC	Single-phase 100 VAC	Single-phase 200 VAC	Single-phase 100 VAC	Single-phase 200 VAC
Operating voltage		±10% at rated voltage					
Power frequency		50/60 Hz					
Applicable motor		Induction motor		Reversible motor		Electromagnetic brake motor	
Selection of applicable motor		Selectable from changeover switch		<ul style="list-style-type: none"> • 1 W to 25 W • 40 W to 90 W • LOW 		---	
Electric brake operating time		Selectable from changeover switch 2/0.5/0.2 sec		---		---	
Normal/reverse rotation		×		○		○	
Electric brake		○		○		×	
Electromagnetic brake drive		×		×		○	
Control voltage input		DC12 to 24 V (±10%)					
Operating temperature		-10°C to 40°C					
Storage temperature		-20°C to 60°C					
Operating humidity		85% RH or below (no dewing)					

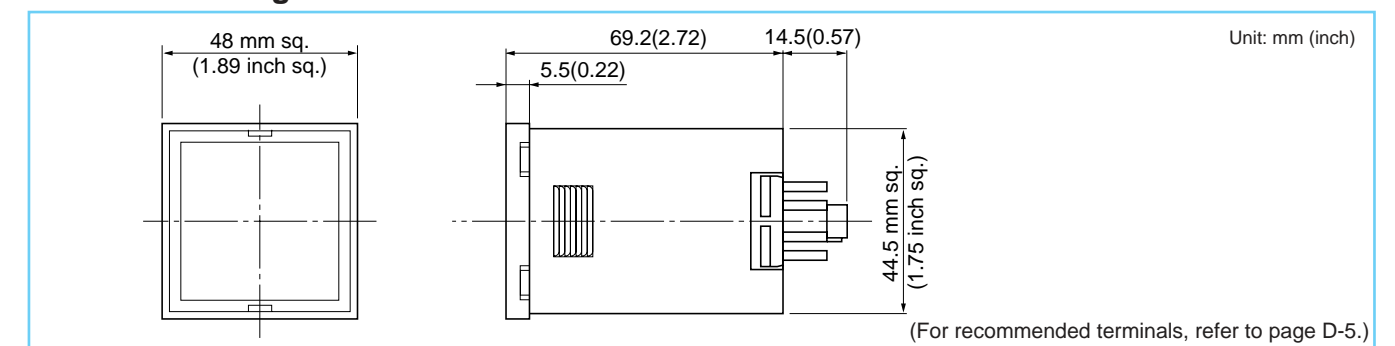
- [Notes]**
- Electric braking system has no holding torque.
 - Reversible motor is provided with a simple constant sliding brake with slight holding force. For application requiring larger holding force, use Panasonic electromagnetic brake motor.
 - When braking a load with excessively large inertia, related issues are strength and life of motor shaft and gear. For these subjects, consult us.
 - When using motor other than compact geared motor, consult us.

• Names and functions



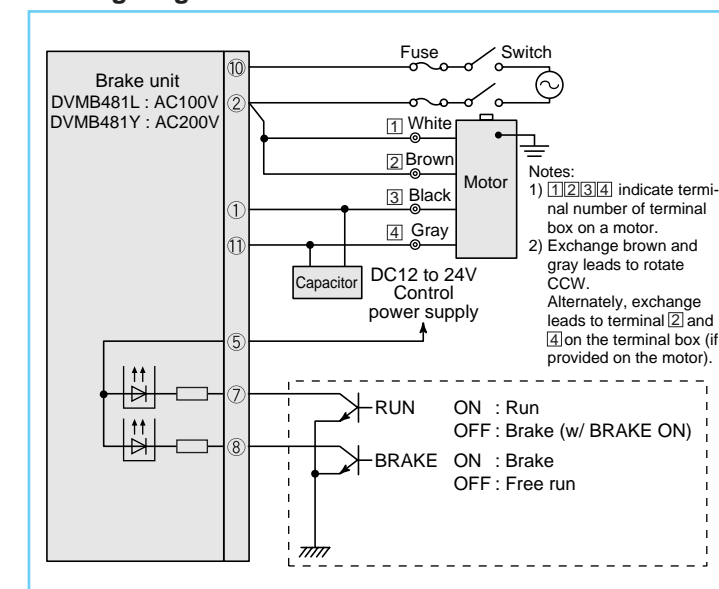
Name	Functional description
1 CW lamp	Indicates that the motor output shaft is rotating CW.
2 CCW lamp	Indicates that the motor output shaft is rotating CCW.
3 BRAKE lamp	Indicates that the electric brake is being applied.
4 RUN lamp	Indicates that the motor is operating.
5 BRAKE RELEASE lamp	Indicates that current is flowing through the electromagnetic brake. (Brake is released as the electromagnetic brake is energized.)
6 BRAKE TIME selector	Adjust the application time of electric brake according to inertia of the load. Standard setting is 0.2 sec (recommended)
7 BRAKE TORQUE selector (selection of motor output)	1 W to 25 W For motor of 1 W to 25 W 40 W to 90 W For motor of 40 W to 90 W Low To reduce impact during braking with motor of 1 W to 90 W

• Outline drawing

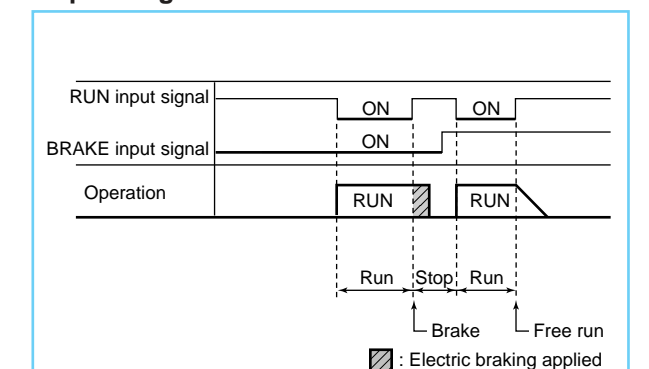


• Fundamental electrical wiring diagram (induction motor)

<Wiring diagram>



<Operating method>



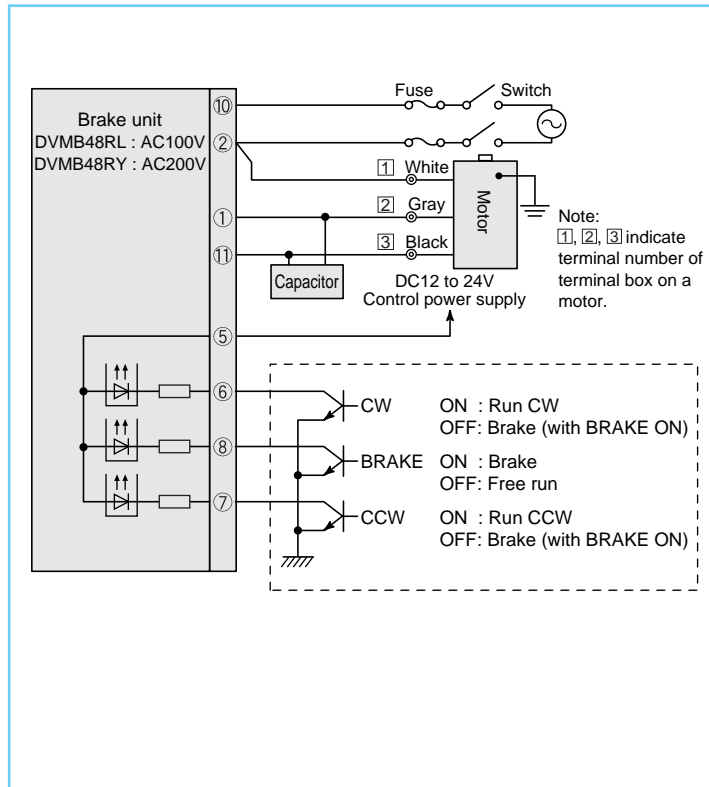
- [Notes]**
- Connect the brake unit only to a single motor.
 - The thick continuous lines represent main circuit. Use conductor of size approx. 0.75 mm².
 - Never input RUN signal while electric braking is applied.

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

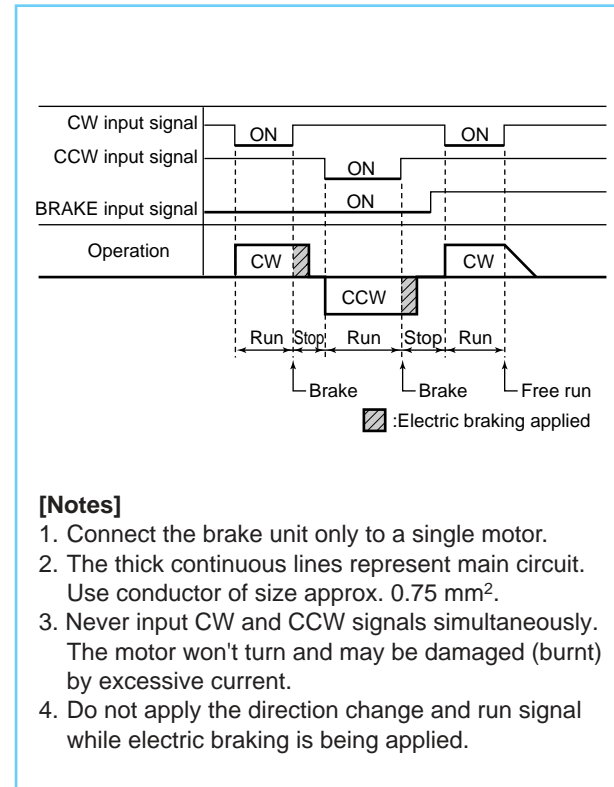
* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

• Fundamental electrical wiring diagram (reversible motor)

<Wiring diagram>

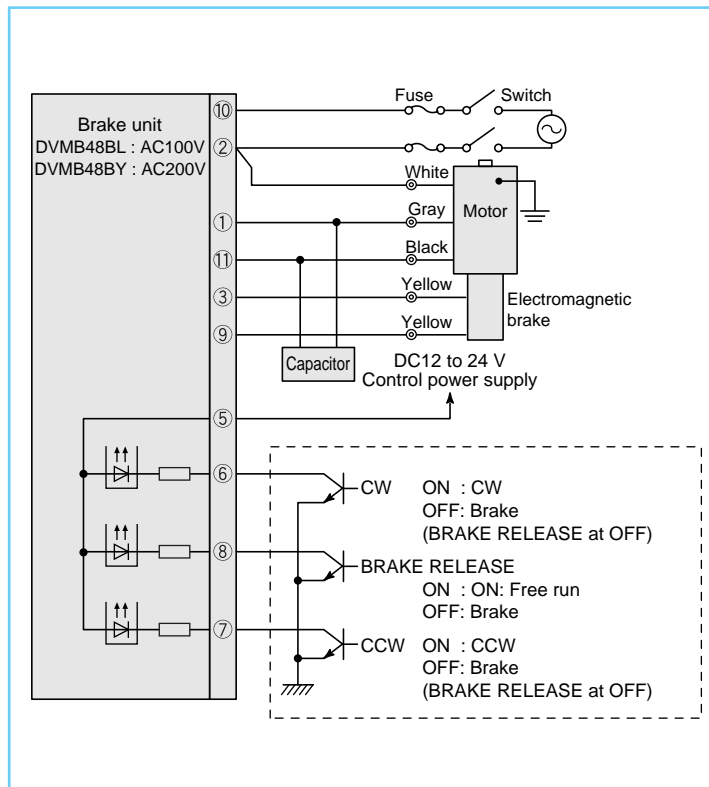


<Operating method>



• Fundamental electrical wiring diagram (electromagnetic brake motor)

<Wiring diagram>



<Operating method>

