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<http://panasonic.net/corporate/segments/ap/>

December 5, 2013

Motor Business Division

[Important]

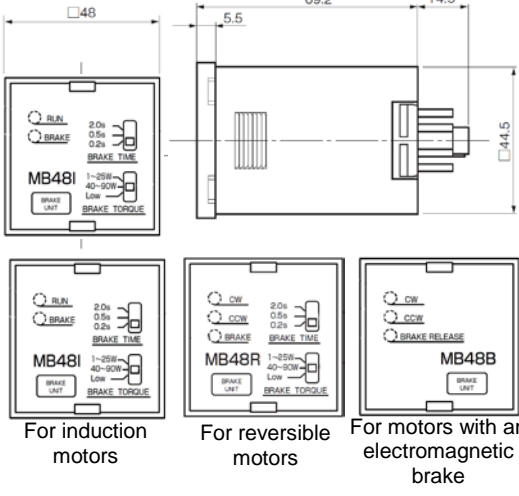
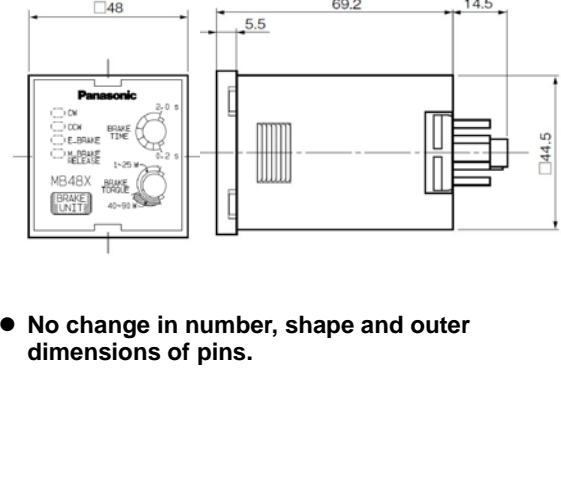
Notice of Production Discontinuation of 48 mm sq. Series Non-contact Brake Units for Compact AC Geared Motors and Release of New Product (Successor) DVMB48XZ

Due to the discontinuation of major components used in long-selling 48 mm sq. series non-contact brake units for compact AC geared motors, it has become difficult for us to continue supplying these products. We have decided to discontinue the production and will release the new DVMB48XZ product as the successor model in April 2014. We appreciate your understanding.

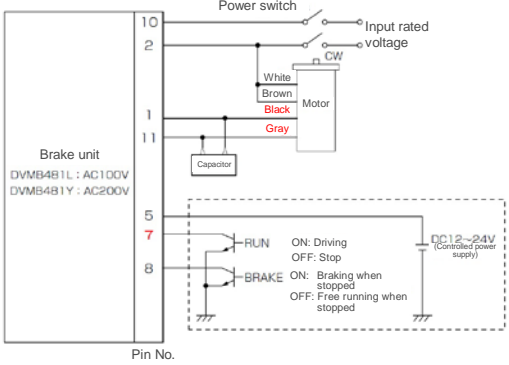
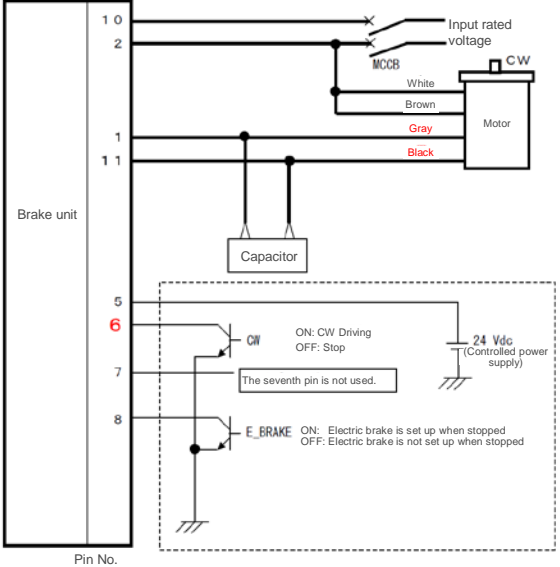
- Discontinued models (Model No.): 48 mm sq. series non-contact brake units (Six models)
 For induction motors: DVMB481L and DVMB481Y
 For reversible motors: DVMB48RL and DVMB48RY
 For motors with electromagnetic brake: DVMB48BL and DVMB48BY
- Reason of discontinuation: Due to the discontinuation of major components supply.
 Date of Final Order and Last Production:
 Final Order: by the end of February 2014
 Last Production: by the end of March 2014
- About Repair Services:
 Repair services will be finished by the end of March 2021. However, depending on the damage situation and stock condition, we may be unable to conduct repairs. Please consult us separately for repair contents.
- Alternative Models for Replacement (Successor)
 Model No.: DVMB48XZ
 Release date: April 23, 2014
 Price: Please contact our sales representative for pricing. Delivery category: stocked parts
 Specifications: please refer the accompanying sheets 2/5-5/5 pages for details of outer dimensions, wiring and functions.

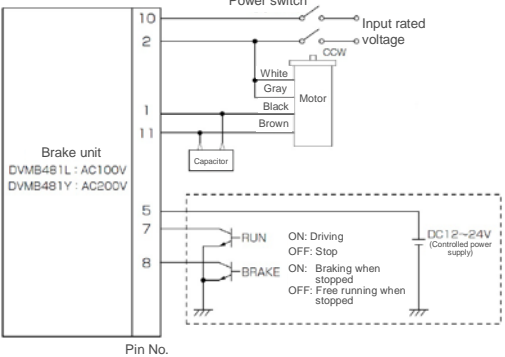
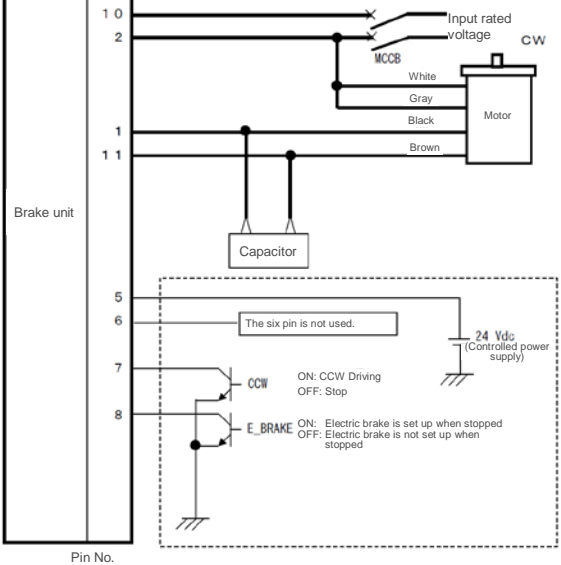
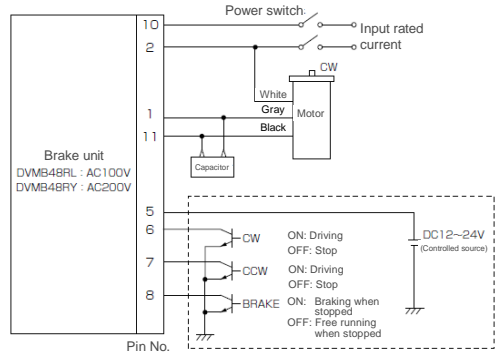
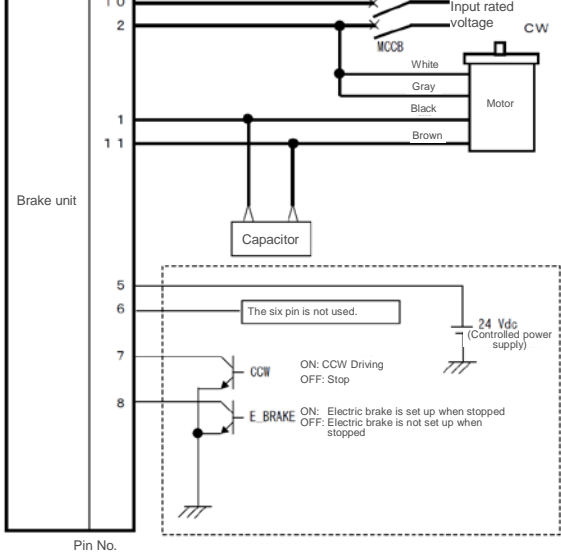
Discontinued models (Model No.)	Successor model (Model No.)
DVMB481L	DVMB48XZ
DVMB481Y	
DVMB48RL	
DVMB48RY	
DVMB48BL	
DVMB48BY	

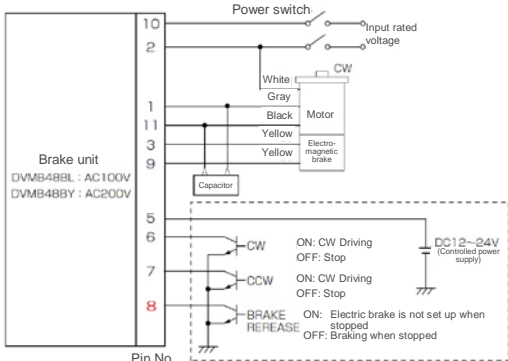
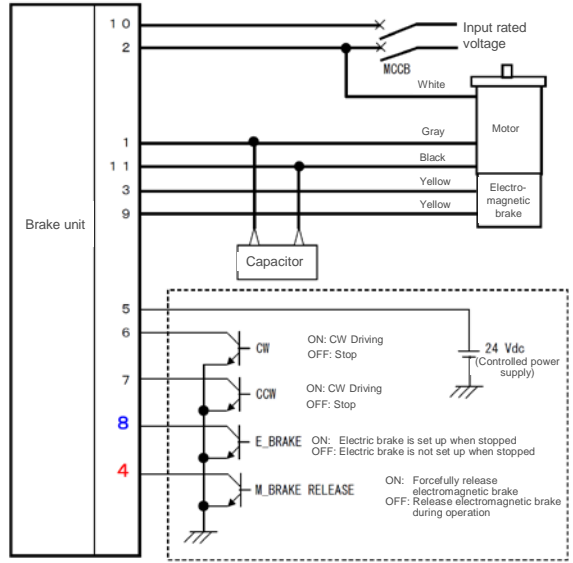
■ Comparisons with the successor model

Model No.	DVMB481*, DVMB48R*, DVMB48B* (Discontinued models) *: "L" or "Y" in power-supply voltage	DVMB48XZ (Successor model) Consolidated model																																							
Range of power supply voltage	AC 100 V or AC 200 V	AC 100 V-120 V/AC 200 V-230 V Range of input voltage: AC 100 V - 230 V Compatible with wide range																																							
Controlled power supply voltage	DC 12 V - 24 V	DC 24 V																																							
Outer dimensions and number of pins [11 pins] (Unit: mm)	 <p>For induction motors For reversible motors For motors with an electromagnetic brake</p>	 <p>● No change in number, shape and outer dimensions of pins.</p>																																							
Time setting of electric brake	Select with the switch from 0.2 seconds, 0.5 seconds and 2 seconds	Using the knob in the front panel, it is possible to set up in the non-step range of 0.2 to 2 seconds.																																							
Torque setting of electric brake	Select with the switch from Low, 1 W - 25 W and 40 W - 90 V.	Using the knob in the front panel, A non-step setup is possible.																																							
Functions of signal input terminal	<table border="1" data-bbox="395 1227 916 1630"> <thead> <tr> <th rowspan="2">Pin No.</th> <th colspan="3">Functions</th> </tr> <tr> <th>DVMB481*</th> <th>DVMB48R*</th> <th>DVMB48B*</th> </tr> </thead> <tbody> <tr> <td>4</td> <td colspan="3" style="text-align: center;">-</td> </tr> <tr> <td>5</td> <td colspan="3" style="text-align: center;">Controlled power supply input (DC 12 V - 24 V)</td> </tr> <tr> <td>6</td> <td style="text-align: center;">-</td> <td colspan="2" style="text-align: center;">Input of CW operation signals *1</td> </tr> <tr> <td>7</td> <td style="text-align: center;">Input of operation signals</td> <td colspan="2" style="text-align: center;">Input of CCW operation signals *1</td> </tr> <tr> <td>8</td> <td style="text-align: center;">Input of electric brake setting signals during the shutdown period *2</td> <td colspan="2" style="text-align: center;">Input signal for forcefully releasing electromagnetic brake *3</td> </tr> </tbody> </table>	Pin No.	Functions			DVMB481*	DVMB48R*	DVMB48B*	4	-			5	Controlled power supply input (DC 12 V - 24 V)			6	-	Input of CW operation signals *1		7	Input of operation signals	Input of CCW operation signals *1		8	Input of electric brake setting signals during the shutdown period *2	Input signal for forcefully releasing electromagnetic brake *3		<table border="1" data-bbox="943 1227 1506 1532"> <thead> <tr> <th>Pin No.</th> <th>Functions</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Input signal for forcefully releasing electromagnetic brake *3</td> </tr> <tr> <td>5</td> <td>Controlled power supply input (DC 24 V)</td> </tr> <tr> <td>6</td> <td>Input of CW operation signals *1</td> </tr> <tr> <td>7</td> <td>Input of CCW operation signals *1</td> </tr> <tr> <td>8</td> <td>Input of electric brake setting signals during the shutdown period *2</td> </tr> </tbody> </table>	Pin No.	Functions	4	Input signal for forcefully releasing electromagnetic brake *3	5	Controlled power supply input (DC 24 V)	6	Input of CW operation signals *1	7	Input of CCW operation signals *1	8	Input of electric brake setting signals during the shutdown period *2
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<p>*1 When facing the motor output power axis, CW means that the motor axis turns clockwise; CCW means that the motor axis turns counter-clockwise. Those who use a gear head, please be careful because the gear head output axis may rotate in the direction opposite to the motor output axis. Refer to our catalog of compact AC geared motors for details.</p> <p>*2 When "electric brake setting signals" are input during the shutdown period, turning off "CW operation signals" or "CCW operation signals" activates the electric brake. Using a motor with an electromagnetic brake enables you to use the electromagnetic brake concurrently with the electric brake.</p> <p>*3 You can use this signal while a motor with an electromagnetic brake is operating. Without the input of a signal for forcefully releasing electromagnetic brake, the input of "CW operation signals" or "CCW operation signals" releases the electromagnetic brake while the motor is operating. Use this signal to release the electromagnetic brake while the motor stops.</p>																																									

■ Replacement from the discontinued model

	DVMB481*, DVMB48R*, DVMB48B* (Discontinued models) *: "L" or "Y" in power-supply voltage	DVMB48XZ (Successor model)
<p>Wiring of induction motor (for Japan) [Motor output CW operation]</p>	 <p>Pin No.</p> <ul style="list-style-type: none"> ● Controlled power supply for control signal is DC 12 V - DC 24 V 	 <p>Pin No.</p> <ul style="list-style-type: none"> ● The discontinued model requires the following wiring change. Meke sure to change 1 and 2 below as a pair. Changing one of the two not only reverses the motor, but may also burn it out. <ol style="list-style-type: none"> 1. Connect pin No.1 with the gray lead wire and No.11 with the black lead wire. 2. Connect pin No.6 with the wire that is connected with pin No.7 of the discontinued model. ● Using the existing wiring does not cause functional problems. In that case, however, the CCW lamp, which is at the front of the product, lights up during CW operation. ● The controlled power supply for the control signal is DC 24 V only.

	DVMB481*, DVMB48R*, DVMB48B* (Discontinued models) *: "L" or "Y" in power-supply voltage	DVMB48XZ (Successor model)
<p>Wiring of induction motor (for Japan) [Motor output CCW operation]</p>	 <ul style="list-style-type: none"> ●Controlled power supply for control signal is DC 12V - DC 24V 	 <ul style="list-style-type: none"> ●You may use the existing wiring. ●Controlled power supply for control signals is DC 24 V only.
<p>Wiring of an induction motor (compliant with overseas standards) and a reversible motor</p>	 <ul style="list-style-type: none"> ●Controlled power supply for control signal is DC 12V - DC 24V. 	 <ul style="list-style-type: none"> ●You may use the existing wiring. ●Controlled power supply for control signal is DC 24 V only.

	DVMB481*, DVMB48R*, DVMB48B* (Discontinued models) *: "L" or "Y" in power-supply voltage	DVMB48XZ (Successor model)
<p>Wiring a single-phase motor with an electromagnetic brake</p>	 <ul style="list-style-type: none"> ● The brake units of discontinued motors with electromagnetic brakes have no electric brake function. ● Controlled power supply for control signal is DC 12 V - DC 24 V 	 <ul style="list-style-type: none"> ● When you use "the signal for forcefully releasing electromagnetic brake", connect pin No.4 with the wiring that is connected with pin No.8 of the discontinued model. ● You can use the existing wiring if you do not use "the signal for forcefully releasing the electromagnetic brake". ● As necessary, you can use "a set point signal for the electric brake during the shutdown period" of pin No.8. It is possible to shorten the shutdown period by activating the electromagnetic brake and the electric brake at the same time while the motor is non-operating. ● The controlled power supply for the control signal is DC 24 V only.