Part 9 Installation Manual (DMS504B51)

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1. Installation Manual

1.1 DMS504B51

Please carefully read the "Safety Precautions" as follows and install the controller as instructed.

●The precautions given herein are classified as "! WARNING" and "! CAUTION". However, particular precautions which, unless they are observed in installing that could result in death and serious injury are identified by "! WARNING". Needless to say even other precautions which are not identified by "! CAUTION" could lead to a serious accident unless they are observed. Therefore, please do not fail to observe these precautions.

unless they are observed. Therefore, please do not fail to observe these precautions. ●After completion of the installation, please conduct a test run on the controller to check that it is free from any fault and in addition simultaneously instruct the user how to operate and maintain it correctly (in accordance with the Operation Manual).

Furthermore, request the user to keep this manual together with the Operation Manual for future reference.

/ WARNING

The installation work must be requested by the dealer. Installation by user himself could cause electric shock, fire, etc.

Install correctly in accordance with this installation manual. Incorrect installation, if any, may cause electric shock, fire, etc.

Installing; don not fail to use the accessories and specific parts which are supplied together with the indoor unit. Failure to observe this instruction may cause electric shock, fire, etc.

Perform correctly the electric wiring connection using the specified cables and firmly clamp each terminal connector to prevent cable load from being transferred thereto.

Unstable and improper cable connecting and clamping could cause overheat, fire, etc.

CAUTION

Grounding.

Do not connect the grounding wire to any of gas pipes, city water pipes, lightning rods, or telephone grounding wire. Imperfect grounding would cause electric shock.



Avoid installing at the following locations.

 Cuisine and other place where the controller is inevitably exposed to mineral oil, scattered oil or steam, Installing at such places could cause deterioration of the resin parts, corrosion or short circuit.

2. Where corrosive gases such as sulfur dioxide generate inevitably.

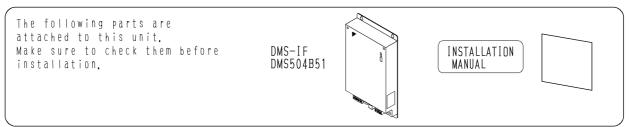
- 3. Where a machine as generates electromagnetic waves. Installing at such a place could cause trouble of the control line and failure of normal air-conditioning operation.
- 4. Where leak of combustible gas is forecast and place where volatile ignitable gases such as thinner, gasoline, etc. are handled.

Should such gas leak and accumulate around the devices, could cause igniting,

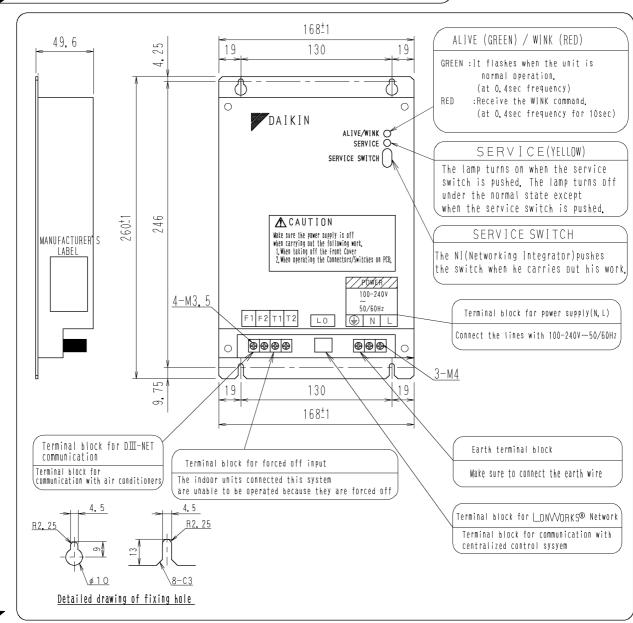
SETTING THE BACPUP BATTERY SWITCH.

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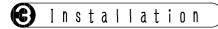
Components

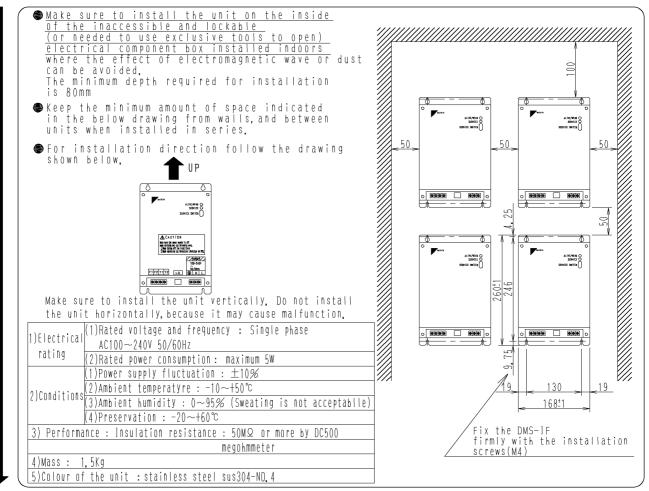


Names and functions of each part



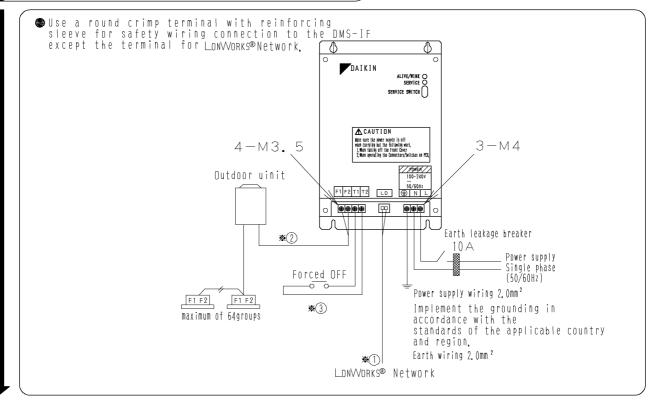
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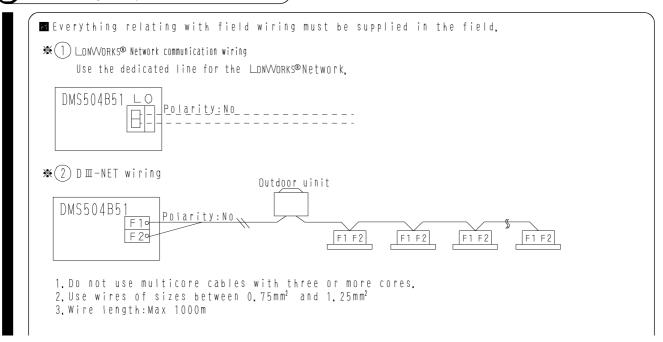


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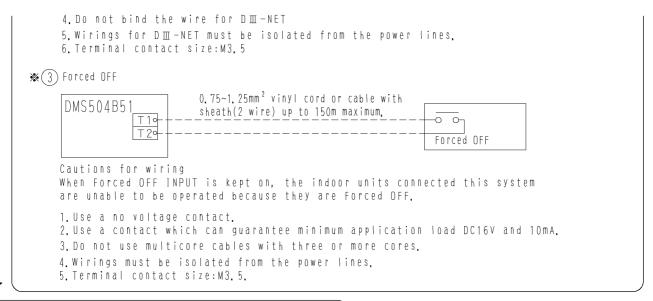
Electric Wiring Connection



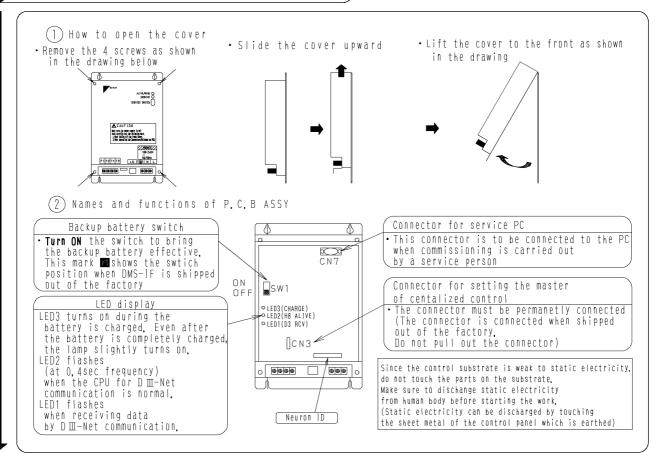
■ Wiring specification



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♠ Names and functions of P.C.B ASSY



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☐ DⅢ—NET master 」 setting

Make sure to connect the unit with $\lceil \mathtt{D} \hspace{-0.5mm} \square - \mathtt{NET}$ master \rfloor

8 Setting the backup battery switch

When shipped out of the factory, the backup battery switch is turned off (the battery is ineffective).

Turn ON the switch for backup of set data such as the information regarding the network variables at power failure.

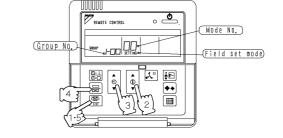
- Guaranteed hours of power failure. One month (31days)
- The lithium battery is used and is rechargeable.
 After the power is restored it is necessary to continuously electrify the battery for approximately one day until the it is completely charged.
 (The battery is completely charged when shipped out from the factory.)

Setting group No, for centralized control

Turn ON the power to the DMS-IF Following the below procedure, set the group numbers for the indoor units connected to the DIII-NET. This group number is set for each indoor unit system. (When not using the remote controller, the remote controller is to be connected just for making settings but must be disconnected when finished.)



- Check no troubles exist with installation and wiring before turning ON the power.
- Turn ON the power to the indoor unit and DMS-IF Setting is not possible with the power OFF.
- Nothing is wrong with the equipment if "BB" is displayed when power is turned ON. This may happen and the unit may not respond to operation, but the situation should last only a moment.
- Hold down for 4 seconds or more to enter the field set mode.
- Press and set the mode NO. to 00



- Press and set the group

 No. Group No. increases in the order of 1-00, 1-01 ... 1-15, 2-00,...

 4-15
 Set the group No. when "GROUP" on the liquid crystal display is flashing.

 Press the button to initiate
 - Press the button to initiate flashing of 'GROUP' on the liquid crystal display.
 - 4 Press to set the group No.
- Press Tits . This will return the system to the normal mode.
- For details on making settings from the simplified remote controller, refer to the instruction manual of the unit,
- For details on making settings of the group No. of the Ventlaire or adapters (wiring adapter for other air conditioners, etc.), refer to the instruction manual of the said unit.