BACnet Gateway INSTALLATION MANUAL

This manual must be read prior to installation. During installation, please refer to the indoor unit installation manual.

DMS502B71

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Please read these "SAFETY CONSIDERATIONS" carefully before installing this unit and be sure to install it correctly. After completing the installation, make sure that the unit operates properly during the start-up operation. Please instruct the customer on how to operate the unit and keep it maintained,

Also, inform customers that they should store this installation manual along with the operation manual for future reference. This unit comes under the term "appliances not accessible to the general public".

Meaning of warning, caution and note symbols.

🛆 WARNING Indication a potentially hazardous situation which, if not avoided, could result in death or serious injury Indication a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be sued to alect against unsafe practices.

Indication situation that may result in equipment or property-damage-only accidents.

/ WARNING

Ask your dealer or qualified personnel to carry out installation work. Do not try to install the machine by yourself. Improper installation may result in electric shocks or fire.

Perform installation work in accordance with this installation manual, Improper installation may result in electric shocks or fire,

Be sure to use only the specified accessories and parts for installation work.

Failure to use the specified parts may result in electric shocks, fire or the unit falling.

Carry out the specified installation work after taking into account earthquakes. Improper installation work may result in the equipment falling and causing accidents,

Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.

Make sure that all wiring is secured, the specified wires and used, and no external forces act on the terminal

Improper connections or installation may result in fire.

When wiring the power supply and connecting the remote controller wiring and transmission wiring, position the wires so that the electric parts box lid can be securely fastened. Improper positioning of the electric parts box lid may result in electric shocks, fire or the terminals overheating.

Before touching electrical parts, turn off the unit.

Ground this unit. Do not connect the ground wire to gas or water pipes, lightning rod or a telephone ground wire. Incomplete grounding may result in electric shocks.

Do not reconstruct or change the settings of the protection devices.

If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion may result.

Do not touch the switch with wet fingers.

Touching a Switch with wet fingers can cause electric shock.

Install an leak circuit breaker, as required.

If an leak circuit breaker is not installed, electric shock may result.

Do not install this unit in the following locations.

(a) where a mineral oil mist or an oil spray or vapor is produced, for example in a kitchen.

plastic parts may deteriorate and fall off or result in water leakage.

(b) where corrosive gas, such as sulfurous acid gas, is produced. Corroding copper pipes or soldered parts may result in refrigerant leakage.

(C) near machinery emitting electromagnetic waves.

Electromagnetic waves may disturb the operation of the control system and result in malfunction of the equipment.

(d) where flammable gases may leak, where there are carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.

Operating the unit in such conditions may result in fire.

/ CAUTION

Be very careful about product transportation.

Safely dispose of the packing materials.

Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries. Tear apart and throw away plastic packaging bags so that children will not play with them,

№ NOTE

Install this unit, power supply wiring and connecting wires at least 3.5ft. away from televisions or radios in order to prevent image interference or noise. (Depending on the radio waves, a distance of 3.5ft, may not be sufficient enough to eliminate the noise.)

This unit is a class A product.

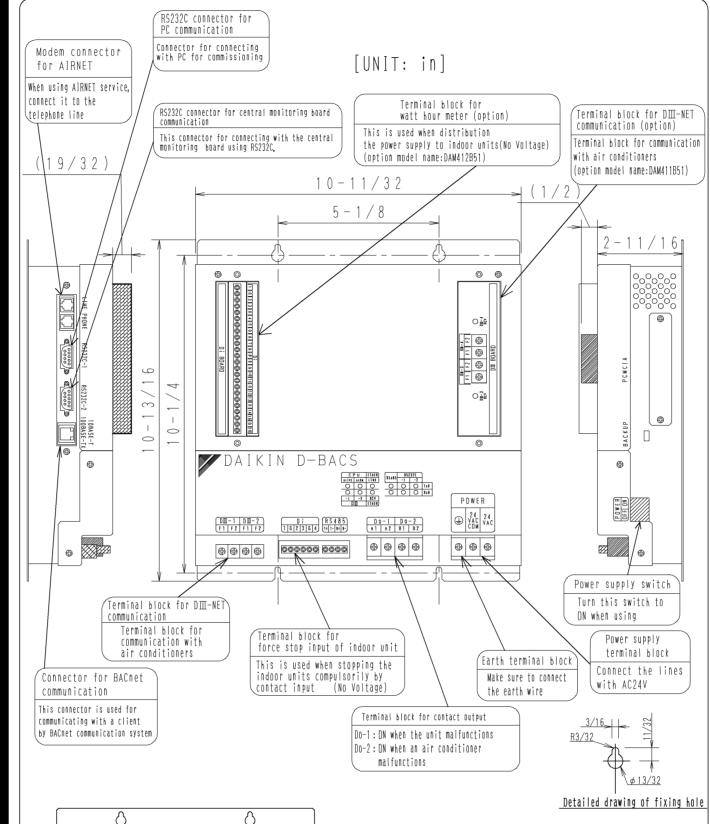
In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

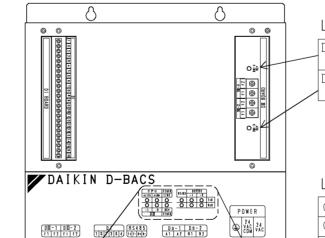
1 Components

The following parts are attached to this unit. Make sure to check them before installation.

BACnet Gateway	1 set
INSTALLATION MANUAL	1 сору

Names and functions of each part





R S 4 8 5 -1 -2

O O RXD

CPU ETHER

ALIVE ALRM LINK

0 0 0

-1 -2 RCV

ETHER

LED display D II − 4 It flashes when it receives/transmits data from/to the equipment connected with DⅢ-4 such as air conditioners lt flashes when it receives/transmits data from/to the equipment connected with DⅢ-3 such as air conditioners

RS232C-2(TxD)

RS232C-2(RxD)

LED disp	lay
CPU ALIVE	It flashes when the unit is normal operation,
CPU ALRM	It flashes when the unit is abnormal operation.
DⅢ—1	It flashes when it receives/transmits data from/to the equipment connected with DIII-1 such as air conditioners
DⅢ — 2	It flashes when it receives/transmits data from/to the equipment connected with DIII-2 such as air conditioners
Ether RCV	lt flashes when it receives/transmits data from/to BACnet client
Ether Link	lt lights when the 10BASE-T cable or 100BASE-TX cable
RS485(TxD)	This LED display cannot be used with this unit
RS485(RxD)	This LED display cannot be used with this unit
RS232C-1(TxD)	It flashes when it transmits data to PC
RS232C-1(RxD)	It flashes when it receives data to PC

It flashes when it transmits data to

It flashes when it receives data from

the central monitoring board

the central monitoring board

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В

0

where the effect of electromagnetic wave or dust can be avoided. The minimum depth required for installation is 3-15/16in

Location

€ Installation

Make sure to install the unit on the inside of the inaccessible and lockable (or needed to use exclusive tools to open) electrical component box installed indoors

Don't fail to turn OFF the indoor unit power switch before installing BACnet Gateway.

Failure to observe this instruction could result in electric shock.

● Required installation space

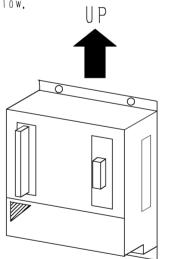
Keep the minimum amount of space indicated in the below drawing from walls, and between units when installed in series,

[UNIT: in]

3-5/323-5/32DAIKIN D-BACS DAIKIN D-BACS DAIKIN D-BACS DAIKIN D-BACS Fix the intelligent Processing Unit firmly with the installation screws(M4)

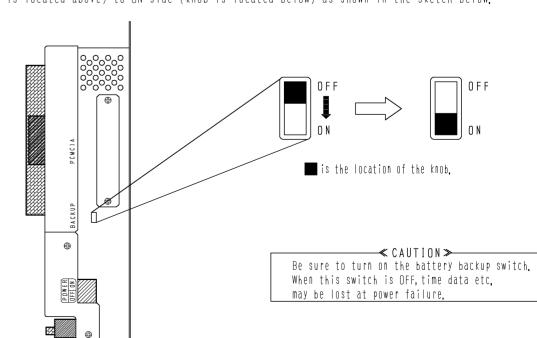
● How to install

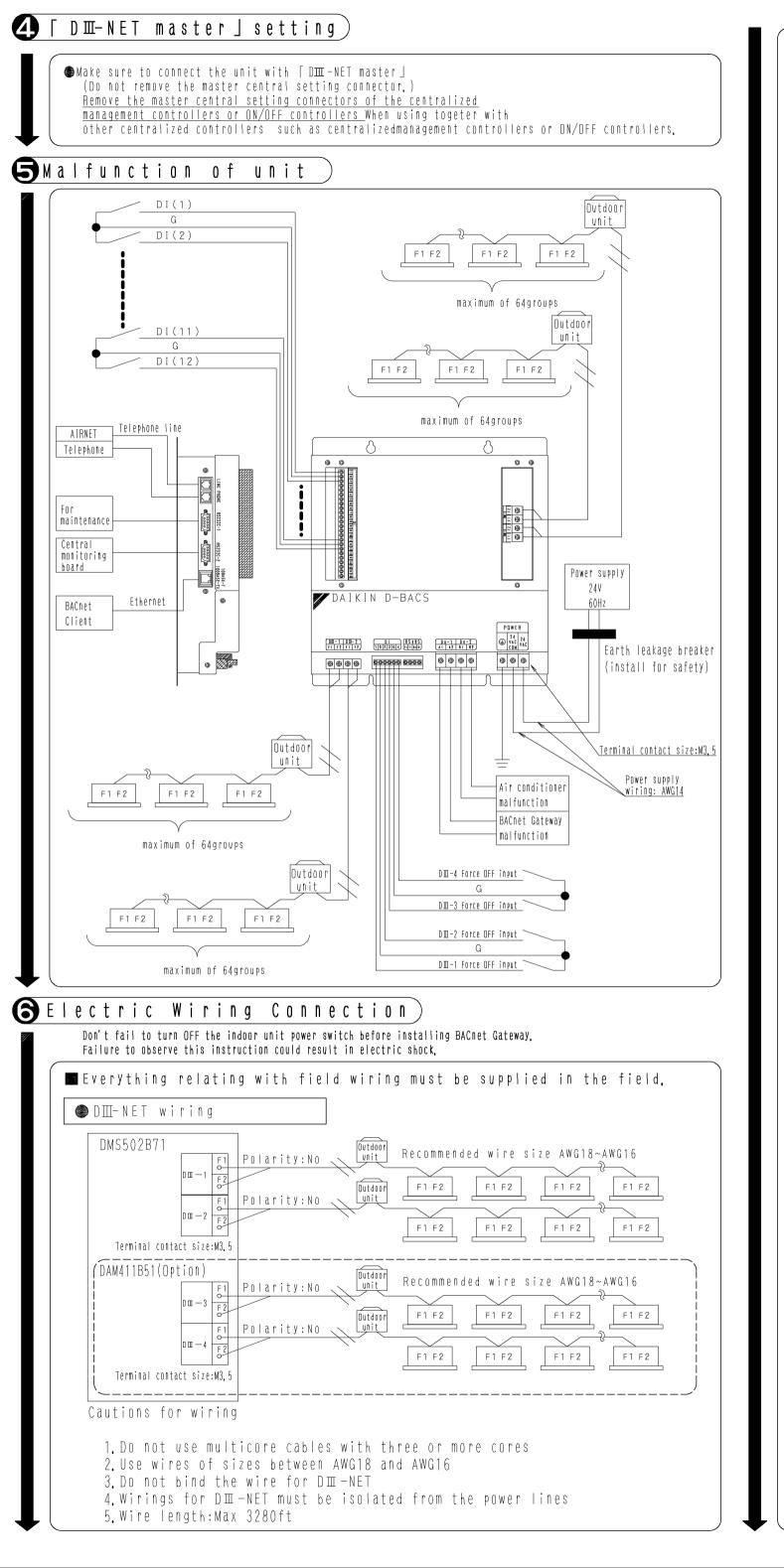
For installation direction follow the drawing shown below,

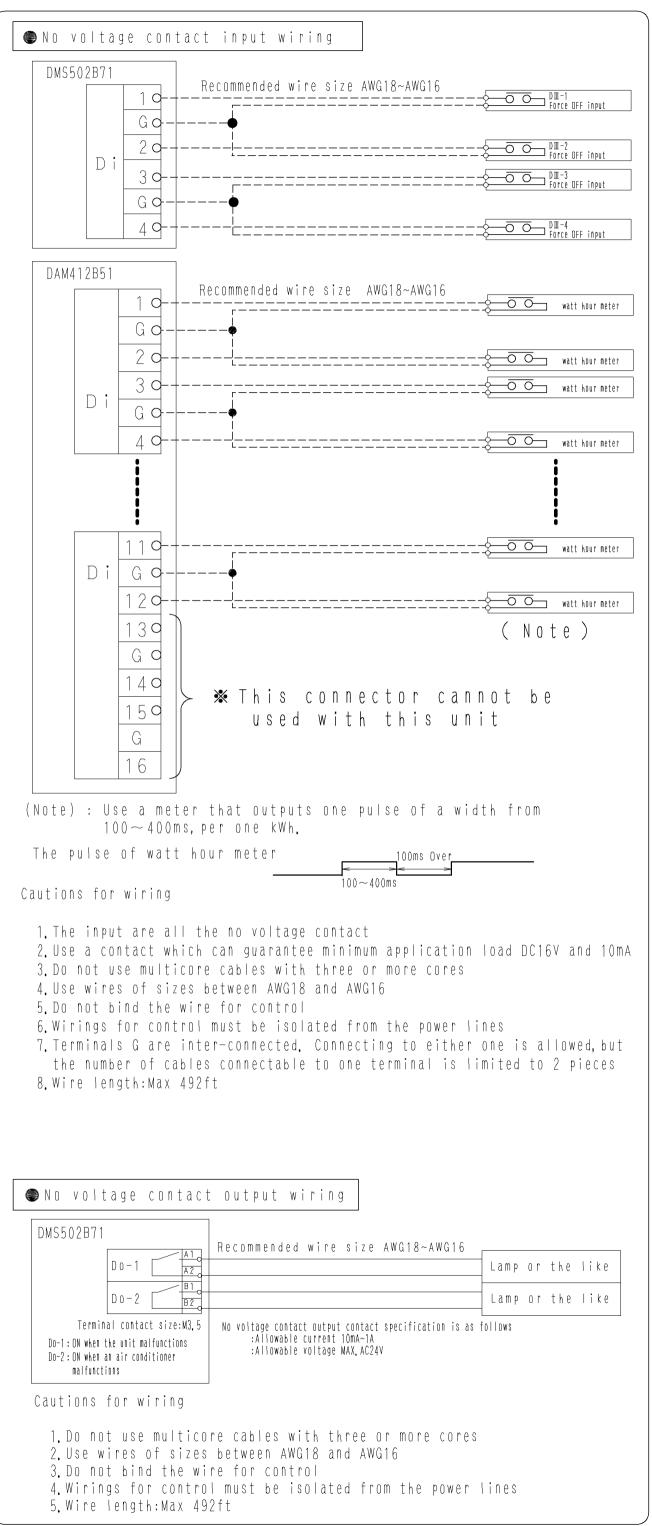


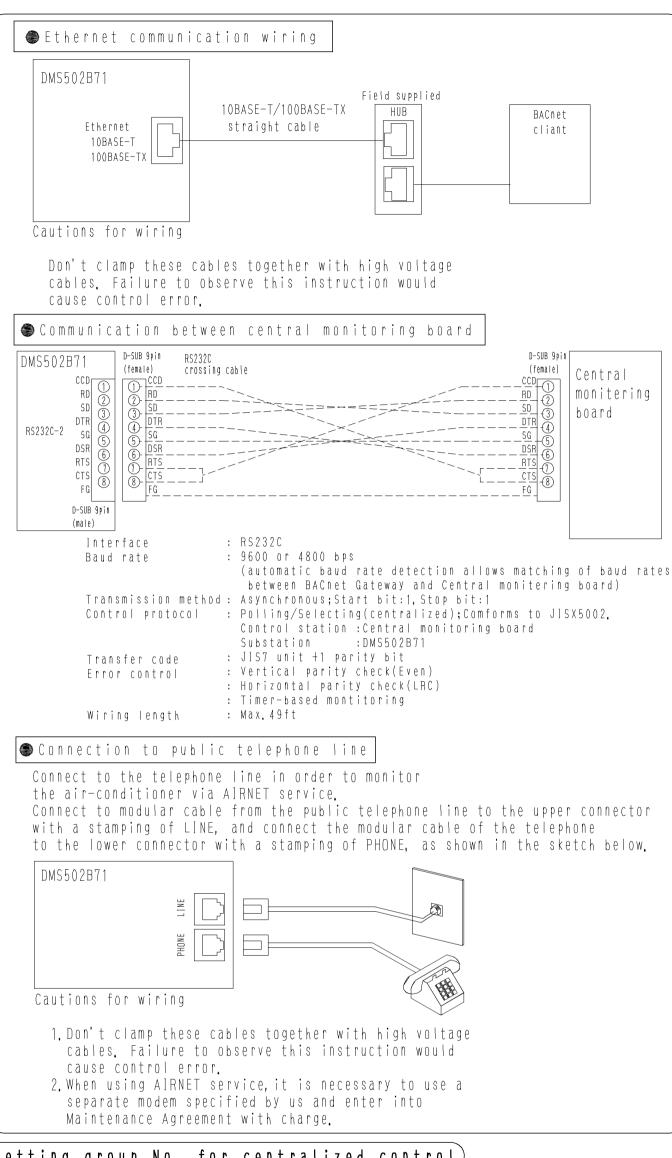
-≪ CAUTION ≫--Make sure to install the unit vertically. Do not install the unit horizontally, because it may cause malfunction.

Setting "BACK-UP BATTERY VALIDATE" switch (shifted to OFF when being shipped from the shop. -- Back-up battery set to INVALIDATE) For the switch to back up the clock, etc. in case of any power failure, actuate it from OFF side (knob is located above) to ON side (knob is located below) as shown in the sketch below.









Setting group No. for centralized control

Set the group number of each group of the indoor unit from the remote controller. (In case of no remote controller, also connect the remote controller and set the group No. Then, remove the remote controller.)

(1) Turn ON the power of the indoor unit and BACnet Gateway.

(Unless the power is ON, no setting can be made.)

Check that the installation and electrical wiring are correct before turning the power supply ON. (When the power supply is turned ON, all LCD appear once and the unit may not accept the operation for about one minute with the display of "BB".)

(2) While in the normal mode, hold down the " button for a minimum of 4 seconds. The remote controller will enter the FIELD SET MODE.

(3) Select the MODE No. "DD" with the " 🗐 "button.

(4) Use the " " button to select the group No. for each group. (Group numbers increase in the order of 1-00, 1-01, ••• 1-15, 2-00, ••• 8-15)

(5) Press " 📛 " to set the selected group No.

(6) Press " (#)" to return to the NORMAL MODE.

NOTE) • For details on making settings from the simplified remote controller, refer to the instruction manual of the unit, · See the instruction manuals which came with the Ventiair and adapters(i.e., multi-purpose adapters) for details on their Group No. settings,

Be sure to keep the operation manual for maintenance.

MODE NO.

FIELD SET