



Hardware Manual

intelligent Touch Controller



Model

DCS601C71

MAC ADDRESS



- Thank you for purchasing intelligent Touch Controller.
- This operation manual contains notes for safe use of the product.
For correct use, be sure to read this manual carefully before use.
Store this manual close at hand so that it can be referred to as required.

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Safety Considerations

Please read these "SAFETY CONSIDERATIONS" carefully before installing air conditioning equipment 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 air conditioner comes under the term "appliances not accessible to the general public".

Meaning of warning, caution and note symbols.

 **WARNING** ... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** ... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

 **NOTE** Indicates situation that may result in equipment or property-damage-only accidents.

Keep these warning sheets handy so that you can refer to them if needed.

Also, if this equipment is transferred to a new user, make sure to hand over this operation manual to the new user.

WARNING

In order to avoid electric shock, fire or injury, or if you detect any abnormality such as smell of fire, turn off power and call your dealer for instructions.

Ask your dealer for installation of the air conditioner.

Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Ask your dealer for improvement, repair, and maintenance.

Incomplete improvement, repair, and maintenance may result in a water leakage, electric shock, and fire.

Improper installation or attachment of equipment or accessories could result in electric shock, short-circuit, leaks, fire or other damage to the equipment. Be sure only to use accessories made by Daikin which are specifically designed for use with the equipment and have them installed by a professional.

Ask your dealer to move and reinstall the air conditioner or the remote controller.

Incomplete installation may result in a water leakage, electric shock, and fire.

Never let the indoor unit or the remote controller get wet.

It may cause an electric shock or a fire.

Never use flammable spray such as hair spray, lacquer or paint near the unit.

It may cause a fire.

Never replace a fuse with that of wrong ampere ratings or other wires when a fuse blows out.

Use of wire or copper wire may cause the unit to break down or cause a fire.

Never inspect or service the unit by yourself.

Ask a qualified service person to perform this work.

Cut off all electric waves before maintenance.

Do not wash the air conditioner or the remote controller with excessive water.

Electric shock or fire may result.

Do not install the air conditioner or the remote controller at any place where flammable gas may leak out.

If the gas leaks out and stays around the air conditioner, a fire may break out.

Do not touch the switch with wet fingers.

Touching a switch with wet fingers can cause electric shock.

CISPR 22 Class A Warning:

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.

⚠ CAUTION

After a long use, check the unit stand and fitting for damage.

If they are left in a damaged condition, the unit may fall and result in injury.

Do not allow a child to mount on the unit or avoid placing any object on it.

Falling or tumbling may result in injury.

Do not let children play on and around the unit.

If they touch the unit carelessly, it may result in injury.

Do not place a flower vase and anything containing water.

Water may enter the unit, causing an electric shock or fire.

Never touch the internal parts of the controller.

Do not remove the front panel. Some parts inside are dangerous to touch, and a machine trouble may happen.

For checking and adjusting the internal parts, contact your dealer.

Avoid placing the controller in a spot splashed with water.

Water coming inside the machine may cause an electric leak or may damage the internal electronic parts.

Do not operate the air conditioner when using a room fumigation - type insecticide.

Failure to observe could cause the chemicals to become deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

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. If children play with a plastic bag which was not torn apart, they face the risk of suffocation.

Do not turn off the power immediately after stopping operation.

Always wait at least five minutes before turning off the power. Otherwise, water leakage and trouble may occur.

The appliance is not intended for use by young children or infirm persons without supervision. The remote controller should be installed in such away that children cannot play with it.

⚠ NOTE

Never press the button of the remote controller with a hard, pointed object.

The remote controller may be damaged.

Never pull or twist the electric wire of the remote controller.

It may cause the unit to malfunction.

Do not place the controller exposed to direct sunlight.

The LCD display may get discolored, failing to display the data.

Do not wipe the controller operation panel with benzene, thinner, chemical dustcloth, etc.

The panel may get discolored or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. And wipe it with another dry cloth.

Dismantling of the unit, treatment of the refrigerant, oil and eventual other parts, should be done in accordance with the relevant local and national regulations.

System Overview

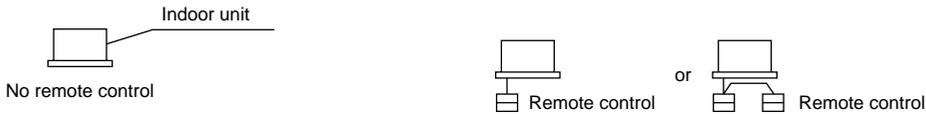
This intelligent Touch Controller is capable of controlling/monitoring up to 64 groups of indoor units (hereafter "groups").

The main functions of the intelligent Touch Controller include:

1. Collective starting/stopping of operation of the indoor units connected to the intelligent Touch Controller.
2. Starting/stopping of operation, temperature setting, switching between temperature control modes and enabling/disabling of operation with the hand-held remote control by zone or group.
3. Scheduling by zone or group.
4. Monitoring of the operation status by zone or group.
5. Display of the air conditioner operation history.
6. Compulsory contact stop input from the central monitoring panel (non-voltage, normally-open contact).
7. Control and Monitoring of air conditioner with personal computer by the Controller (with the optional DCS004A71).

* A group of indoor units include:

- ① One indoor unit without a remote control.
- ② One indoor unit controlled with one or two remote controls.

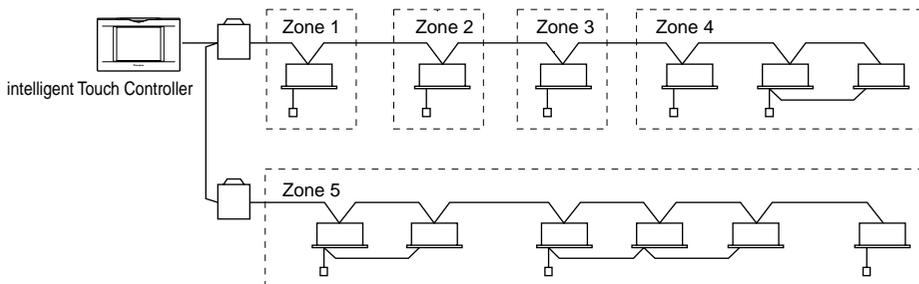


- ③ Up to 16 indoor units controlled with one or two remote controls.



* Zone control with the intelligent Touch Controller

* Zone control, which allows collective settings for more than one group, is available with the intelligent Touch Controller, which facilitates the setting operations.



- One setting makes the same setting for all of the units in one zone.
- Up to 128 zones can be set with one intelligent Touch Controller.
(The maximum number of groups in one zone is 64.)
- Groups can be zoned at will with the intelligent Touch Controller.
- Units in one group can be divided into more than one zone.

Front and Side View



PCMCIA Card Slot

Used when updating the intelligent Touch Controller software to a newer version.



Color LCD with Touch Panel

Provides a display for monitoring and operation.
Be sure to use the touch pen provided for operation.

Touch Pen

Use the touch pen for operation.
Be sure to use the touch pen for operation.
Use caution not to lose the touch pen.
(When the pen is lost, contact the dealer you purchased the product from.)

Before Use

NOTE

- Be sure to use the touch pen for operation of the touch panel of the intelligent Touch Controller. Operating with an object other than the touch pen provided may cause damage and failure.

Terminals on the Back of intelligent Touch Controller

Modem connector for AIRNET

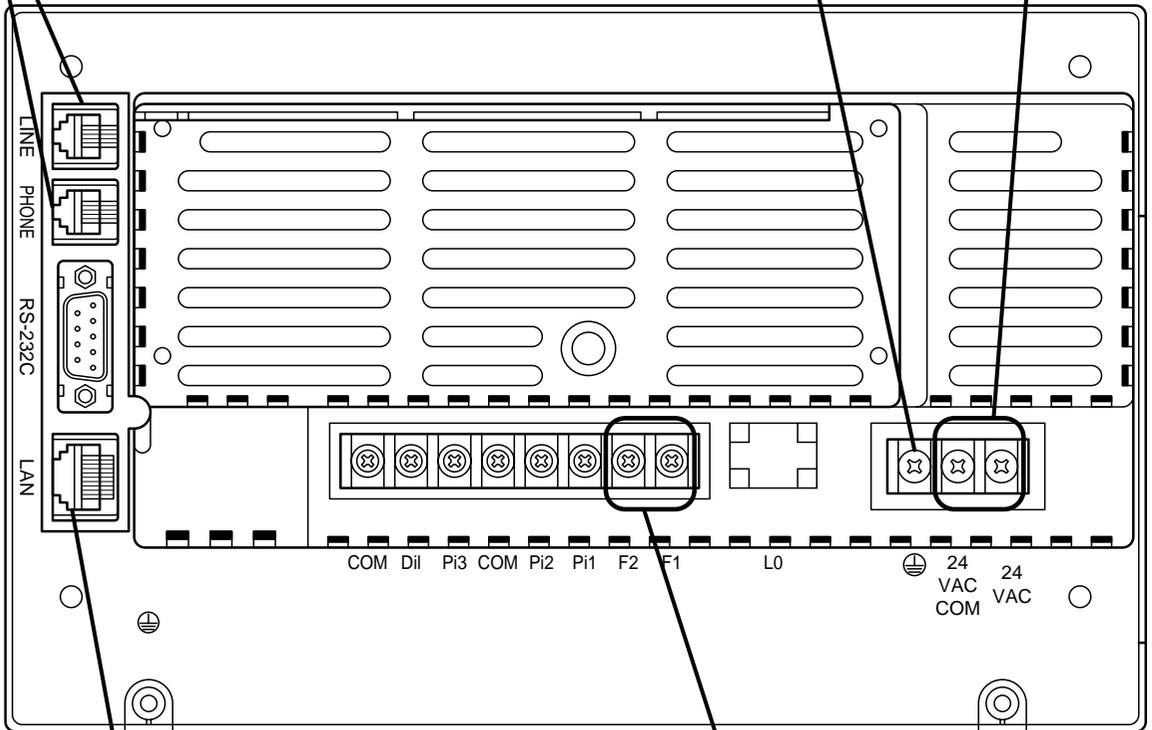
When using AIRNET service, connect it to the telephone line. AIRNET service is not free, but a contract for this service and an optional inner type modem are required, separately.

Terminal block for power supply

Connect to AC24V power supply. Terminal size is M4.

Earth terminal block

Securely connect the earth wire. Terminal size is M4.



Ethernet connector for web

When monitoring and operating the indoor units using the optional Web and E-mail function software sold separately, connect to LAN via Ethernet cable.

Terminal block for D3-NET communication

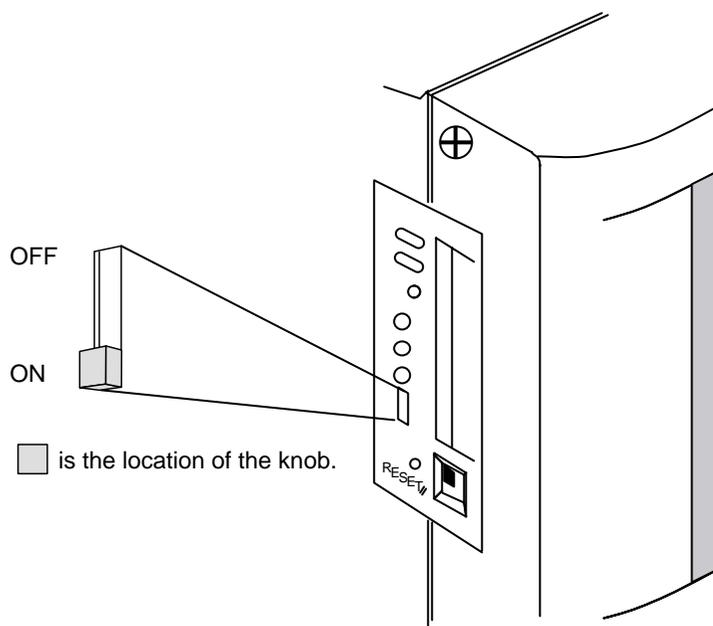
The terminal size of the terminal block for communication with indoor units is M3.5.

Internal Battery Enable(ON)/Disable(OFF)Switch

The intelligent Touch Controller is equipped with internal batteries in order to run the clock during blackouts. The batteries can be enabled and disabled using the switches shown in the figure below. **The clock will not function properly when a blackout occurs if this switch is turned to 「OFF」.** **The switches are turned to 「ON」 when the unit is installed. Do not touch them unless the power has been turned off for a long time. (See the next page for details on what to do if the power has been off for long periods of time.)**

<Location and Setting of Switches>

As shown in the figure, set the battery switch on the left side of this controller to “OFF” (switch knob upper side) or “ON” (switch knob lower side), using a precision minus(-) screwdriver. (Turning this switch OFF does not erase the settings for groups, zones or schedule.)



NOTE

- Do not touch other switches.
- Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure.

LCD Maintenance

- When the surface of the LCD or the main unit of the intelligent Touch Controller is soiled, wipe the soil off with a piece of cloth soaked in a diluted neutral detergent and wrung sufficiently.
- Note**
- Do not use thinner, organic solvent, strongly acid solution, etc.
The print may fade or wear out and discolor.
 - Forced rubbing with hard cloth may cause damage to the liquid crystal display unit.
Remove stains, always using a soft waste cloth.
 - If the unit is stored with water droplets and stains sticking to the liquid crystal display unit, a blot may be made and the coating may come off.

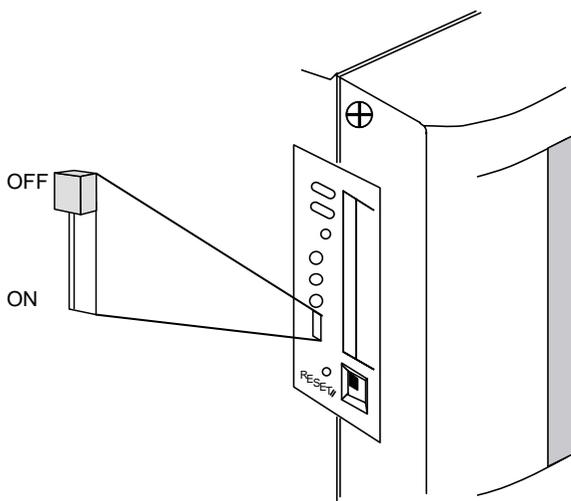
When Leaving the Product Turned OFF for a Long Time

When you leave the intelligent Touch Controller turned OFF for a long time (6 months or longer), turn the switch OFF to maintain the battery.

- The intelligent Touch Controller has a built-in battery for operating the clock in power failure.
The battery mentioned above is for power failure only and it may be completely discharged if no power is provided for a long time.
(The capacity is worth about 2 years of in total if no power is supplied.)
- To use the intelligent Touch Controller again, turn the switch ON.

[Setting the switch]

As shown in the figure, set the battery switch on the left side of this controller to "OFF" (switch knob upper side) or "ON" (switch knob lower side), using a precision minus(-) screwdriver.
(Turning this switch OFF does not erase the settings for groups, zones or schedule.)



■ is the location of the knob.

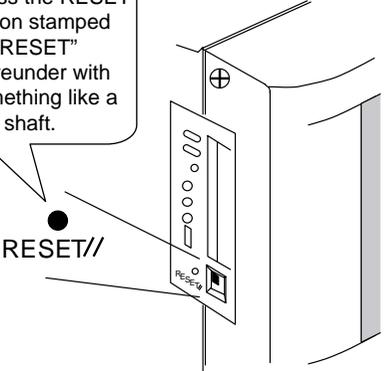
NOTE

- Do not touch other switches.
- Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure.

⚠ CAUTION

If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure.
Be sure to discharge the static electricity accumulated in your body before attempting any operation.
To discharge yourself, touch a grounded metal object (control panel, etc.).

Before Having the Product Serviced

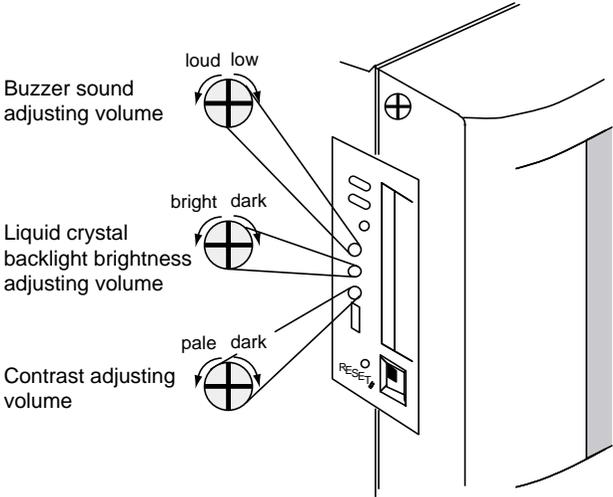
Item	Description and Corrective Action
The display of the intelligent Touch Controller has gone out.	When Backlight Auto OFF is set for Backlight Setup of the intelligent Touch Controller, the light goes out if the screen is left untouched for a certain time. Touch the screen with the pen provided. The display comes back on.
The backlight does not go out when Backlight auto OFF is set.	Backlight Auto OFF is a function to automatically turn the backlight OFF if it is left untouched for a certain time. If the display is [Set/Prop][System Setup]etc., the light does not go out automatically.
The intelligent Touch Controller cannot be operated or monitoring is not available.	<p>Press and hold down the reset button on the left screen of the intelligent Touch controller for 5 seconds. Pressing this switch initialize the intelligent Touch Controller. (Pressing this switch does not erase the settings for groups, zones or schedule.)</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Press the RESET button stamped as "RESET" thereunder with something like a thin shaft.</p> </div>  <p style="text-align: center;">intelligent Touch Controller</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>NOTE</p> <ul style="list-style-type: none"> • Do not touch other switches. • Avoid turning the switch ON and OFF with excessive force; otherwise such operation may lead to parts damage and failure. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> <p>CAUTION</p> <p>If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure. Be sure to discharge the static electricity accumulated in your body before attempting any operation. To discharge yourself, touch a grounded metal object (control panel, etc.).</p> </div>

Item	Description and Corrective Action
On the Monitoring screen, buzzer sounds when an area not allocated for a button for operation is pressed.	The intelligent Touch Controller is designed in such a way that the buzzer sounds when any part of the screen is pressed. It is normal.
Something is wrong with the buzzer sound (the sound breaks up, etc.)	The buzzer sound may occasionally break up when the load on the CPU is particularly large, but this is not a problem.
The screen flickers at a regular interval.	While the Monitoring screen is shown, the screen is updated every 3 seconds to show the latest status of air conditioners. The screen may look flickering when the update is made. It is normal.
Touching the screen of the intelligent Touch Controller does not change the display soon.	Updating of the display may take some time depending on the communication status with the air conditioners connected. Update is completed in a few seconds.
Some dots of LCD are never illuminated.	There may be found some dots that are never illuminated or always illuminated on a certain part of the LCD of the intelligent Touch Controller. It is normal. The LCD may inherently generate unevenness due to change of temperature, which is normal.
An air conditioner to be connected to the intelligent Touch Controller has been added but the added air conditioner cannot be monitored on the Monitoring screen of the intelligent Touch Controller.	When adding an air conditioner to be connected to the intelligent Touch Controller, trial running of the intelligent Touch Controller, as well as of the air conditioner, is required. (When trial running of the intelligent Touch Controller has not been performed, contact our representative.)

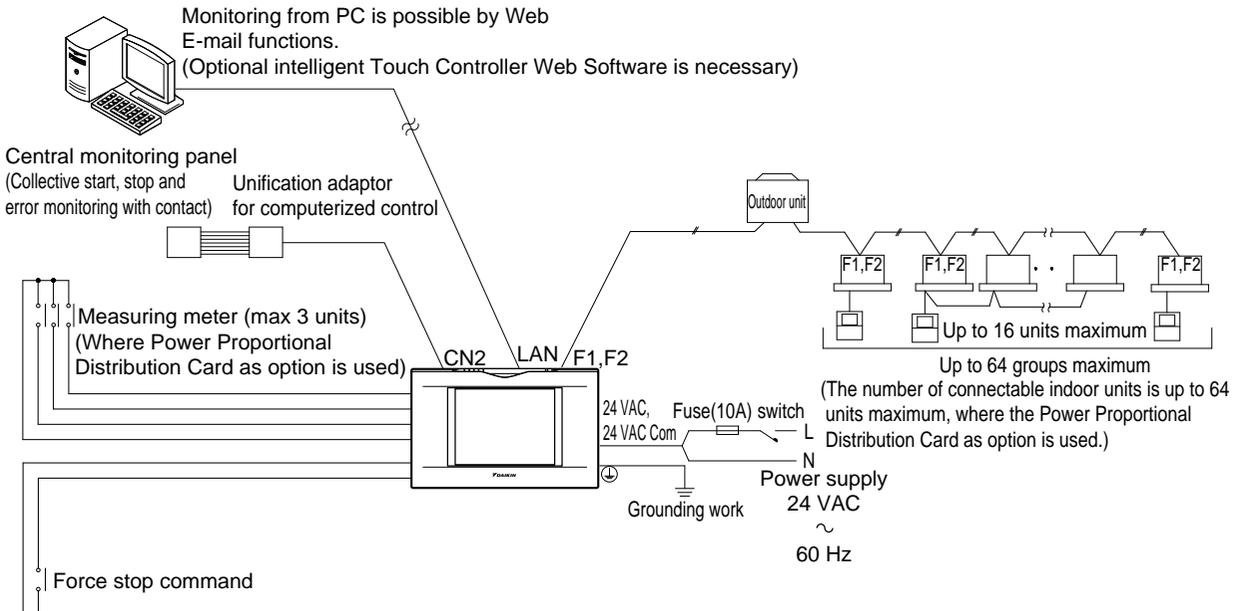
Emergency Procedure for intelligent Touch Controller Failure

Item	Description and Corrective Action
<p>Failure occurs in the intelligent Touch Controller while the remote control is disabled with the intelligent Touch Controller and start/stop setting, etc. of air conditioners cannot be made.</p>	<p>As a temporary measure before our service personnel investigates into the problem, turn OFF the power supply breaker of the intelligent Touch Controller. This allows all kinds of operation with the remote control of air conditioners in about 5 minutes. (When there is any other central management device, turn the power OFF for all of the devices.)</p>

When it is desired to adjust screen brightness, contrast and buzzer sound level

Item	Description and Corrective Action
<p>Screen brightness, contrast and buzzer sound adjustment is desired.</p>	<p>The screen brightness, contrast and buzzer sound level are factory adjusted properly before shipment, but in case where the screen is hard to see and the buzzer is hard to hear, for example, according to the actual installation condition and usage, the screen brightness, contrast and buzzer sound level can be adjusted by the following method.</p> <p>[Adjustment Method] Adjust the volume (variable resistor) on the left side of the intelligent Touch controller with a Phillips head screwdriver while checking each level. The buzzer sound, screen brightness and screen contrast volume switches are located in sequence from the top as shown below.</p>  <p>NOTE</p> <ul style="list-style-type: none"> • Since each volume is a precision component part, do not turn the volume switch with excessive force. It should be noted that a fault is caused to the switch. • Do not touch other switches. (The buzzer sound volume and liquid crystal backlight brightness can be adjusted with the volume switch described above; normally, however, no such adjustment is required.) <p>CAUTION</p> <p>If electric components in the intelligent Touch Controller are charged with static electricity, it may cause failure. Be sure to discharge the static electricity accumulated in your body before attempting any operation. To discharge yourself, touch a grounded metal object (control panel, etc.).</p>

Connecting Unification adaptor allows using the contact for normal and abnormal operation signal and collective start/stop with a contact. For details, contact the vendor you purchased the product from.

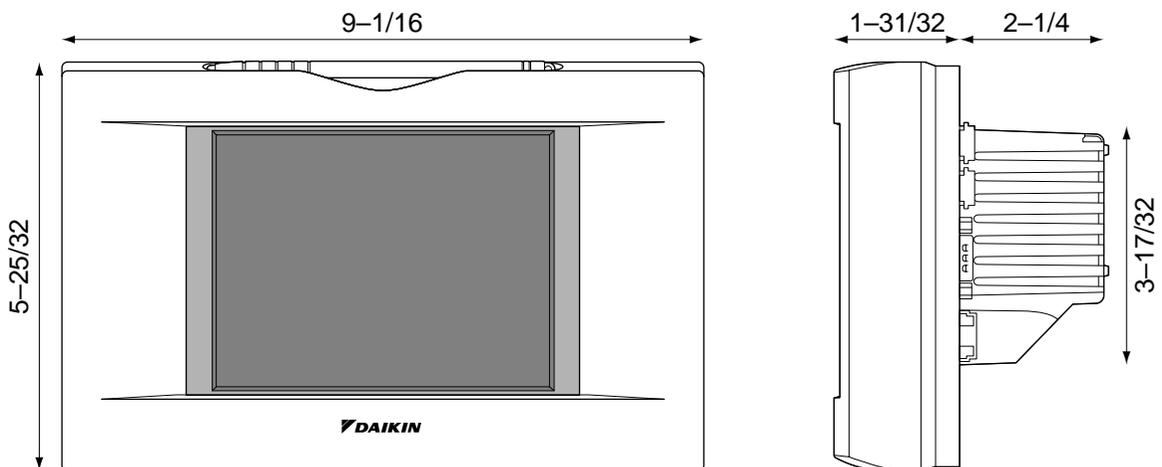


Specification

Specification

Power	AC24V 50/60Hz
Power consumption	10 W maximum
Force stop input	Normally-open contact Contact current approximately 10 mA
Size	9-1/16 × 5-25/32 × 4-7/32 (W × H × D)
Mass	2 lb 10 oz

Dimensions



The specification and appearance of the product may be modified for improvement without prior notice.

After-sales Service

- To have the product repaired, prepare the following information

- Model
- Date of installation
- Circumstances - as detailed as possible
- Address, name, phone number

- Transfer

Transfer requires professional technique. Be sure to contact the vendor you purchased the product from or service station.

The customer will be charged for the expense required for transfer work.

- Repair after the guarantee period for free repair

Contact the vendor. When the functions can be maintained by repair, the product will be repaired according to the request and the customer will be charged.

(Guarantee period ... one year from the date of installation)

- Questions

For after-sales service, contact the vendor you purchased the product from or the nearest service station.

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