

intelligent **touch** Controller

Communication Capabilities via a Touch Screen or a Web Browser
Further Expand Air-Conditioning Control Possibilities.

More Freedom to Administrators

Connectable up to
128 Indoor Unit Groups
(256 indoor units)

Control Daikin Systems
Remotely

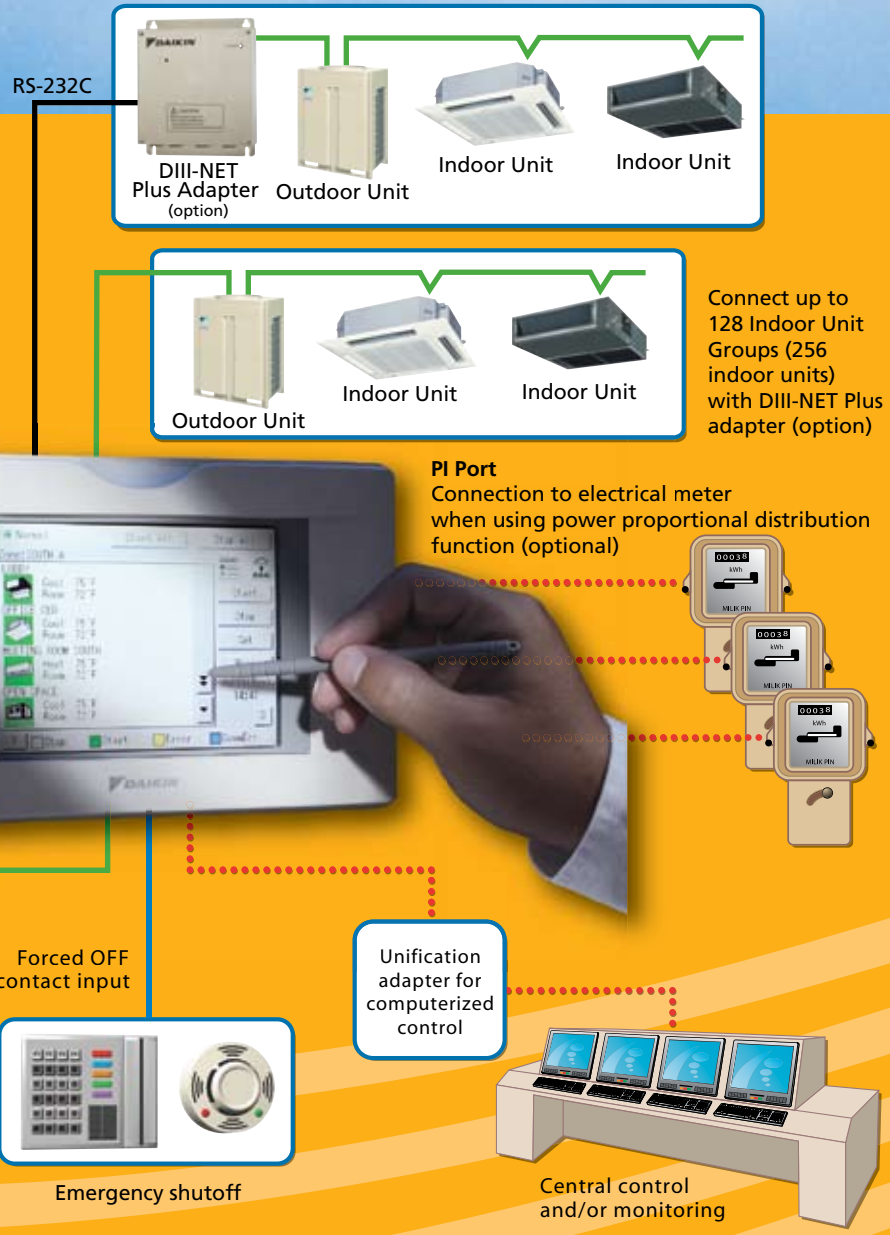
Centralized monitoring control
system based on a Web
browser (Optional)

Malfunction Reports
to a Mobile Phone,
Anywhere

Malfunction reports
delivered by e-mail
(Optional)



touch intelligent Controller



CSV output of power proportional distribution (PPD) results (optional)

PCM/CIA flash memory

Remote monitoring and control, error report via internet, e-mail

Error reports via mobile phone

Control pump lighting fixtures etc.

Digital Input/Output (DIO) Unit

Monitoring of room enter/exit sign

Forced OFF contact input

Emergency shutoff

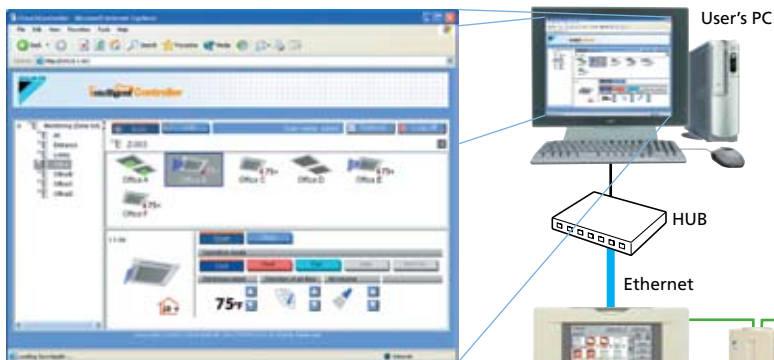
Unification adapter for computerized control

Central control and/or monitoring

A controller that offers freedom to administrators.

It is possible to control the air-conditioning system, via the Internet, from home or any other location with a PC. Should a malfunction occur, a notification is sent by e-mail to a cell phone or PC (any e-mail address specified by the user). This gives administrators the freedom to leave the room/building where the controller is located.

Control and management are possible via a standard Web browser (Internet Explorer 6.0SP1 or later in a Windows environment (PC)).



Main Monitoring Screen

Notes

1. Microsoft Internet Explorer 6.0 SP1, or a later version, is the recommended Web browser for use with the system.
2. The Java SE Version 6 plug-in from Sun Microsystems is required.

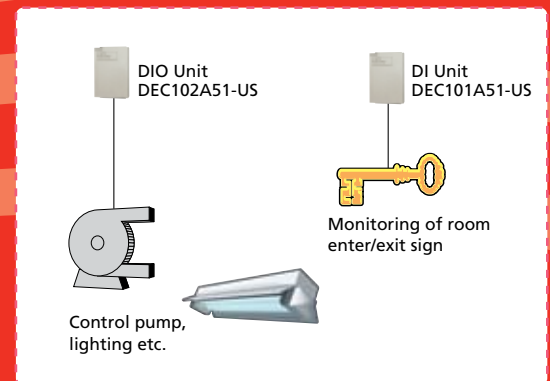
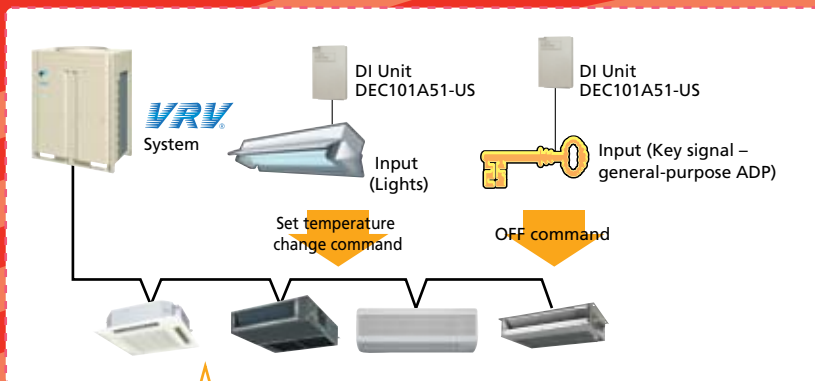
■ Functions Usable with a Web Browser

Item
Real-time status monitoring
Operation
Malfunction history display
User password setting

User-friendly icon-based centralized controller simplifies the VRV System.

The user-friendly controller already features colors and icons in the display for ease of understanding. A wide variety of control methods enables administrators to monitor and operate the system even when they are away from the controller.

- Support for centralized control remotely using a PC with a Web browser (Optional)
- Sending of e-mail alerts to a specified address if malfunctions occur (Optional)
- Built-in Ethernet port for connecting to the internet or intranet
- Management of facilities and ancillary equipment other than A/C units
(Compatible with DIO unit and DI unit)
- Simple Interlock Function



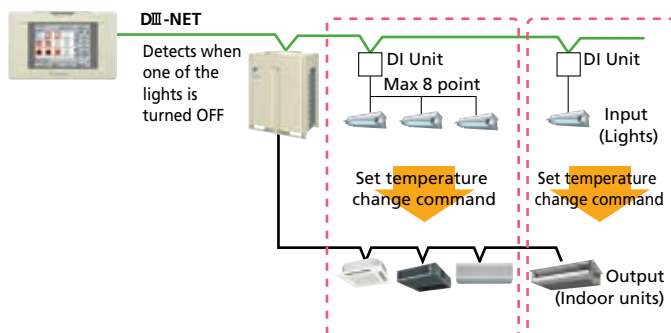
Simple Interlock Function

The simple interlock function allows for controlling of multiple groups and zones (e.g., ON/OFF; R/C rejection; Operation mode; Set temperature; Ventilation mode; Ventilation rate setting) based on the operation status (or contact input status in the case of DI unit and DIO unit) of the selected groups or zones.

Usage example

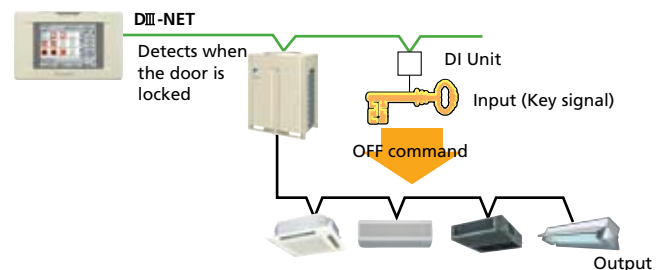
■ Lighting interlock

Energy is conserved by increasing/decreasing the set temperature for the indoor units when one of the lights in the same office is turned OFF. (The set temperature increases when cooling and decreases when heating.)



■ Key interlock

Turns off all indoor units and lights after somebody leaves the office or the like (and locks the doors) without turning these off. Combining the temperature limit function in commercial spaces allows for improved comfort upon the next entry into the room by maintaining a constant room temperature when the user is out. In the simple interlock function, the temperature limit function can be activated when the indoor units are turned OFF.

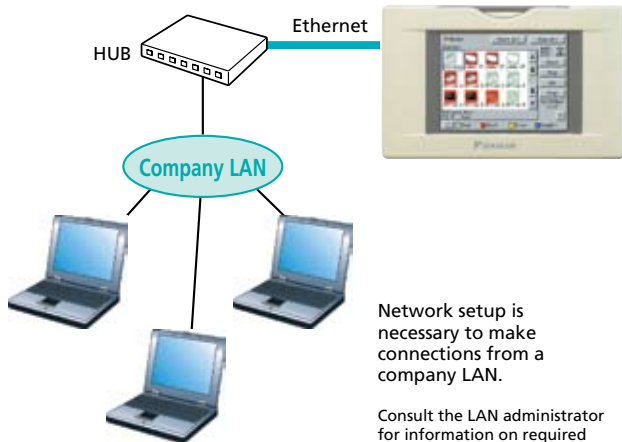


A wide variety of control methods have been made available by advanced communication capabilities.

Communication Functions

Connection Between Company LAN and intelligent Touch Controller

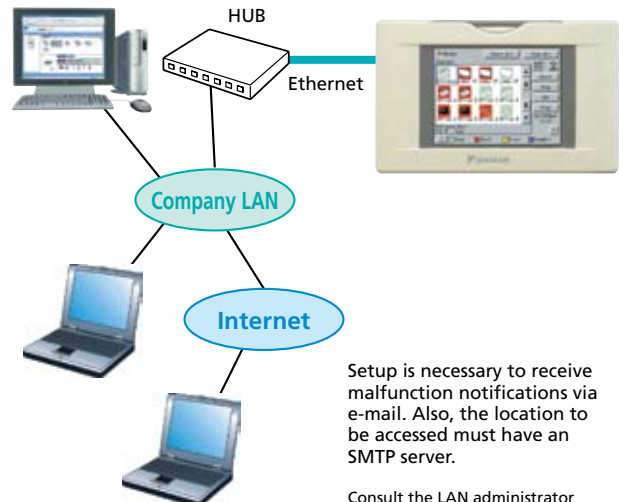
Operating a monitoring control system over a company LAN using company PCs



Network setup is necessary to make connections from a company LAN.

Consult the LAN administrator for information on required settings.

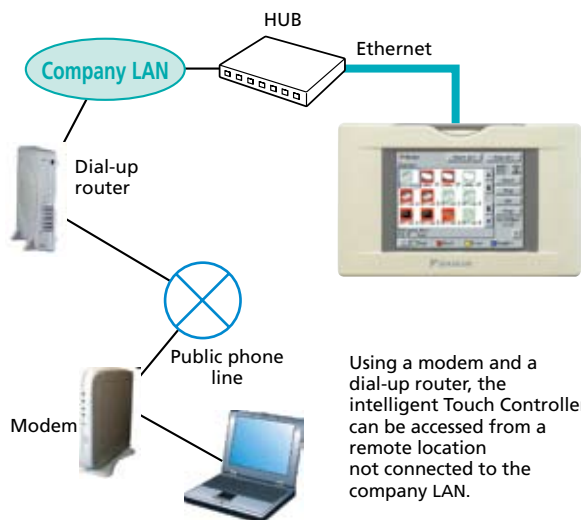
Receiving Malfunction Notifications via E-mail



Setup is necessary to receive malfunction notifications via e-mail. Also, the location to be accessed must have an SMTP server.

Consult the LAN administrator for information on required settings.

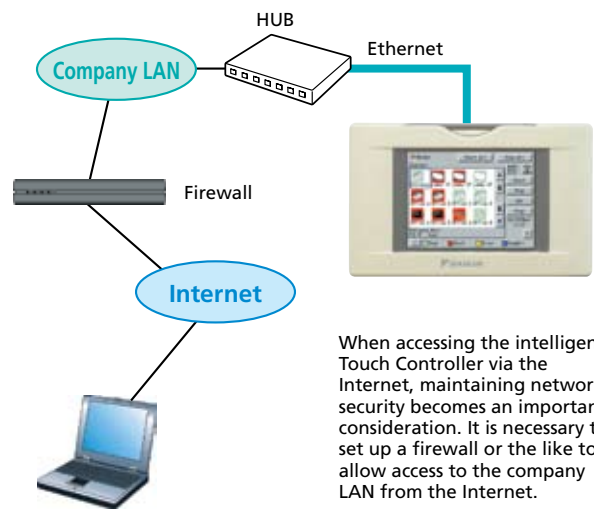
Accessing intelligent Touch Controller from a Remote Location



Using a modem and a dial-up router, the intelligent Touch Controller can be accessed from a remote location not connected to the company LAN.

Consult the LAN administrator for information on required settings.

Accessing intelligent Touch Controller via the Internet



When accessing the intelligent Touch Controller via the Internet, maintaining network security becomes an important consideration. It is necessary to set up a firewall or the like to allow access to the company LAN from the Internet.

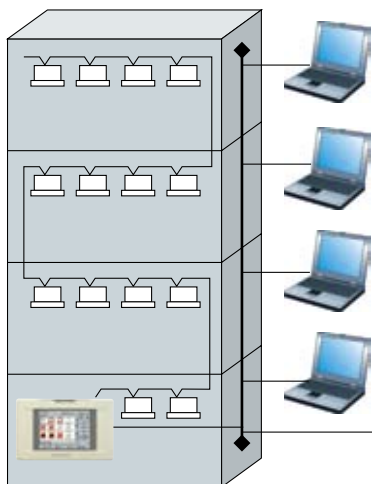
Consult the LAN administrator for information on required settings.

For example...

Allowing Individual Tenants to Operate the Air-Conditioning System from their PCs

User-specific access restrictions

It is possible to specify the scope of monitoring control system functions on a per-user basis.



Screen of user's PC on fourth floor



Only the air conditioning units on the fourth floor are displayed. The user cannot monitor or control other users' air-conditioning systems.

Notes

1. The maximum number of registered users is 65 for web function, consisting of 64 general users and 1 administrator.
2. Display language settings can be customized for each user.
3. Only administrators can make schedule settings.

Screen of administrator



Users can stay in touch.



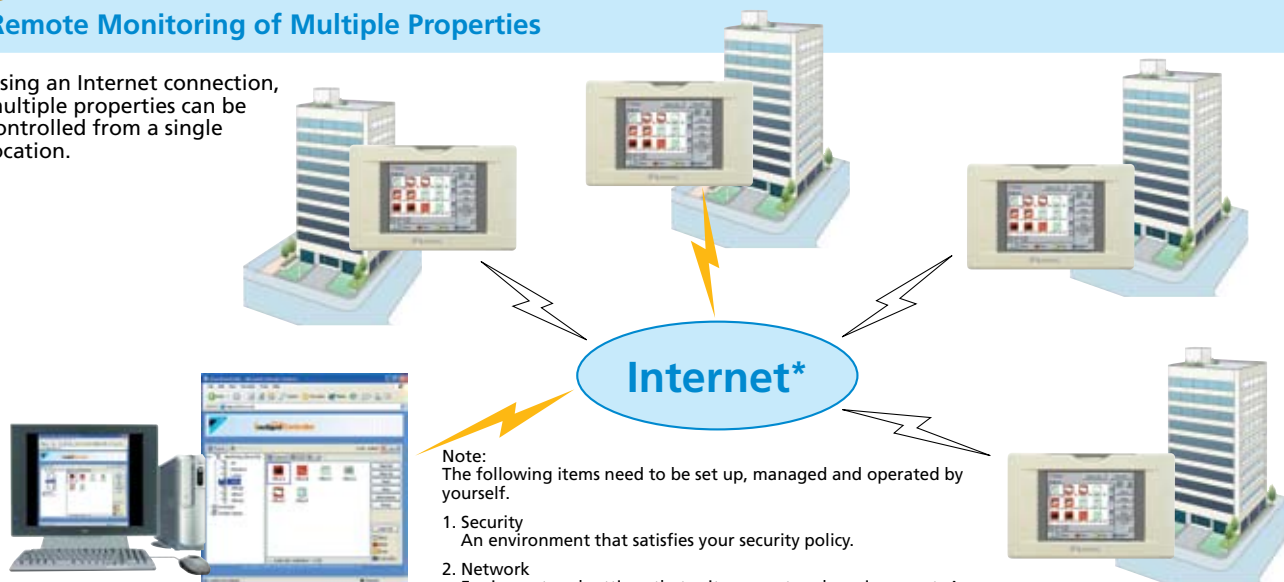
A notification e-mail will be sent to the PC or mobile phone you specify should a malfunction occur, so you can go out without concern.

For example...

Ability to Control Air-Conditioning Systems in Multiple Buildings from a Central Location

Remote Monitoring of Multiple Properties

Using an Internet connection, multiple properties can be controlled from a single location.



Note:

The following items need to be set up, managed and operated by yourself.

1. Security
An environment that satisfies your security policy.
2. Network
Equipment and settings that suit your network environment. A network security device such as a firewall, which is necessary when connecting via the Internet.

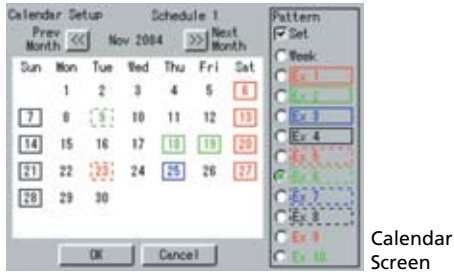
* The Internet connection is shown for illustration purposes only. Network equipment and an Internet service provider contract, etc., will be necessary to connect to the Internet.

Enhanced display and ease of use, plus expanded control functions.

Control and Monitoring Functions

Enhanced Scheduling Function

It is possible to set up an automated yearly schedule specifying such items as daily startup and shutoff times, temperature settings and operation modes. In addition, the number of patterns that can be registered is 10.



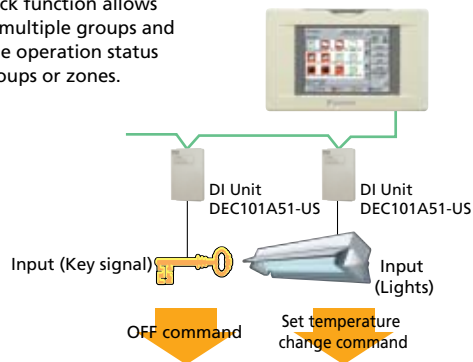
Enhanced History Function

The error history function keeps a detailed record broken down by malfunction item. This is an important feature for maintaining the system and dealing with malfunctions, and it helps ensure that appropriate maintenance work is performed.



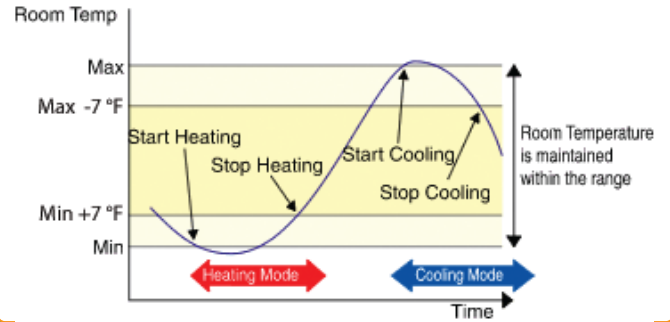
Simple Interlock Function Added

The simple interlock function allows for controlling of multiple groups and zones based on the operation status of the selected groups or zones.



Temperature Limitation

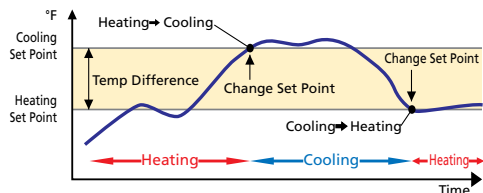
This function automatically starts and stops air conditioners in order to prevent the room temperature of unoccupied rooms from getting too high or too low.



Auto Heat/Cool Changeover

Automatic cooling/heating changeover maintains optimum room temperature by indoor unit groups (auto changeover group) subject to large temperature difference between night and day.

5°F — 13°F deadband



Security

Passwords for general user and for administrators can be registered separately, permitting access to different levels of control functions



Control and Monitoring Functions

Color LCD Screen

Touch Screen Operation

Icon Display

Complete display of the status of all indoor units

Display of zone name

Allows you to set the name of the individual unit

Displays system condition (forced shutdown, etc.)

Can display detailed legend

Various icons that you can set yourself

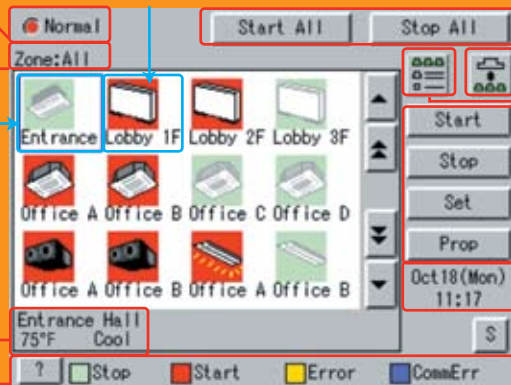
ON/OFF of all air conditioners

Selection of zone or group display

Selection of icon or list display

ON/OFF settings for selected groups and/or zones

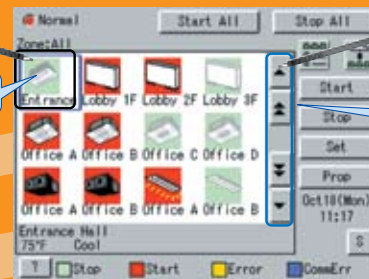
Displays current date and time



You have the ability to control A/C systems in multiple buildings from one location at your fingertips.

② Selection by touch

① Page Up/Down



Allows easy operation of a variety of functions including the setting of operation mode and temperature.

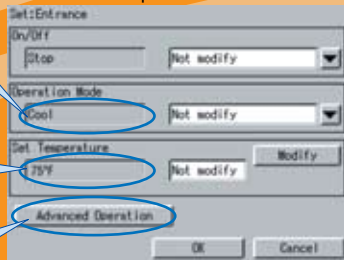
The user can switch between the icon display, a list display and an icon detail display as desired.

An often-used operation screen

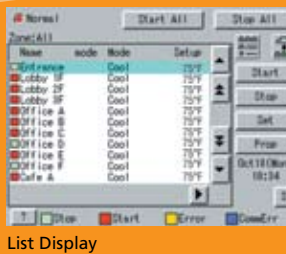
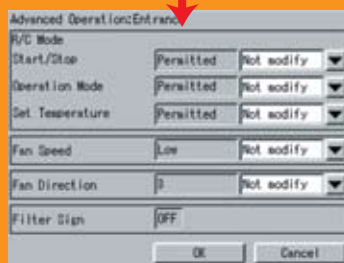
Setting of operation mode according to respective purpose

Temperature setting according to respective purpose

Displays detailed air conditioner information/data



Screen related to advanced operation (seldom-used screen)



List Display



Icon Display

Display change



Icon Detail Display

Specifications

		INTELLIGENT TOUCH CONTROLLER	DIII-NET PLUS ADAPTER
Reference		DCS601C71	DCS601A72
Power Supply		Externally supplied AC24V, 50/60Hz	AC24V, 60Hz ± 10%
Power consumption		10 W maximum	5 W maximum
Operating condition	Surrounding temperature	32° F to 104° F	14° F to 104° F
	Humidity	Less than 85% RH (non condensing)	20% to 90% RH (non condensing)
Dimensions	HxWxD inches	5-25/32 x 9-1/16 x 4-7/32	7-15/32 x 6-3/16 x 1-21/32
LCD panel	size / # of dots / # of colors	5.7 inches / QVGA 320x240 / 4,096 colors	—
Maximum number of indoor units		64 groups (maximum 128 indoor units)	Use in conjunction with DCS601C71 to connect an additional 64 groups (maximum 128 indoor units)
Maximum number of outdoor units		10	10
Input	Touch panel	10 bit encoded analog input	—
Communication functions	DIII-NET x 1	Air conditioning equipment communication line	Air conditioning equipment communication line
	10BASE-T	Web option	—
	PCMCIA slot	Flash memory card used for PDD	—
	RS232C	—	Interface to i-Touch Controller
Input terminals	Digital input Di x 1	Forced shutdown	—
	F1-F2 x 1	—	DIII-NET connection to VRV outdoor units
	Pulse input Pi x 3	Power measuring pulse	1 pulse at 1 or 10 kWh and 40-400 msec
Overseas certification	Interference (EMC)	FCC Part 15 Subpart B Class A	FCC Part 15 Subpart B Class A
Project data and engineering		Configuration and engineering for each project are necessary. For further details, please consult with Daikin distributors and dealers.	Configuration and engineering for each project are necessary. For further details, please consult with Daikin distributors and dealers.

Accessories

DESCRIPTION	REFERENCE	COMMENTS	COMMENTS
Software	DCS002A71	Power Proportional Distribution (PPD)*	—
	DCS004A71	E-mail / Web software	—
Installation box	KJB411A	For wall mounted installation	—
Interface adapters	KRP928B25	For connection to Split units	—
Digital input	DEC101A51-US	Input contacts: 8 inputs + 8 alarm inputs	Input contacts: 8 inputs + 8 alarm inputs
Digital input/output	DEC102A51-US	Input contacts: 4 inputs + 4 alarm inputs Output contacts: 4 outputs	Input contacts: 4 inputs + 4 alarm inputs Output contacts: 4 outputs
Connector cable	RS232C	—	32-foot connector cable (included)

kWh meter

ITEM	REQUIREMENT SPECIFICATION
kWh meter	Pulse transmitter - 1 Pulse to 1kW or 10 kW pulse width must be between 40 - 400 msec - Output relay must be electronic type only. - No voltage output

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The air conditioners manufactured by Daikin Industries have received ISO 9000 series certification for quality assurance.

Certificate Numbers:
(ISO9001) JMI-0107 (ISO9002) JQA-1452
JQA-1452



All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard ISO 14001 certification.

Daikin Industries, Ltd.
Domestic Group
Certificate Number: EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organization as having an appropriate program of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer Information

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 (972) 245-1510

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— Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.

* The Power Proportional Distribution (PPD) feature supplies the user with a reasonably calculated apportionment of the total power consumption by the Daikin air-conditioning system to individual units on the system. Because input to the PPD includes measured pulses in the refrigerant system and because the air-conditioning system includes a number of variables, including operating temperatures and pressures, piping length, heat exchange rates and others, no meter-type apportionment of individual users' consumption can be made. However, the PPD feature provides an apportionment methodology that uses highly advanced technology as applied to the many variables in an air-conditioning system.