DAIKIN

intelligent touch Controller

Communication capabilities via a Web browser further expand air conditioning control possibilities.

Communication functions in the user-friendly controller simplify centralised control of the VRV

The user-friendly controller already features colours, multilingual function, and icons in the display for ease of understanding; now, further convenience has been added. Communication capabilities enable centralised control via a Web browser and the sending of e-mail alerts on system operation. A wide variety of control methods can be accommodated, permitting administrators to monitor and operate the system even when they are away from the controller.

touch intelligent Controller

• CSV output of power proportional distribution results (Option)

PCMCIA Flash Memory

DCS601C51

Function 1

Remote monitoring and control

Via internet

Pi Port

• Connection to power consumption metre when using power proportional distribution function. (Option)

Air Conditioning Network Service System modem for connections

Function 2

Malfunction report by E-mail

Mobile Phone PC

Function 3

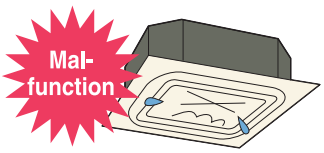
System Components

ACC centre

• Air Conditioning Network Service System (Optional Maintenance Service)

Enhanced convenience through linkage to the Air Conditioning Network Service System

Can be linked to the 24-hour Air Conditioning Network Service System.



Malfunctions that can be difficult to understand are monitored remotely.

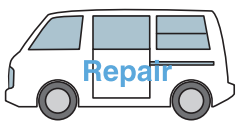
ACC centre

Personnel at the centre monitor the occurrence of malfunctions and track their causes via internet. As soon as a problem occurs, expert service engineers are dispatched with precisely the tools and parts they need to make repairs.

Advance malfunction warnings help prevent the sudden occurrence of problems later.

Air Conditioning Network Service System*

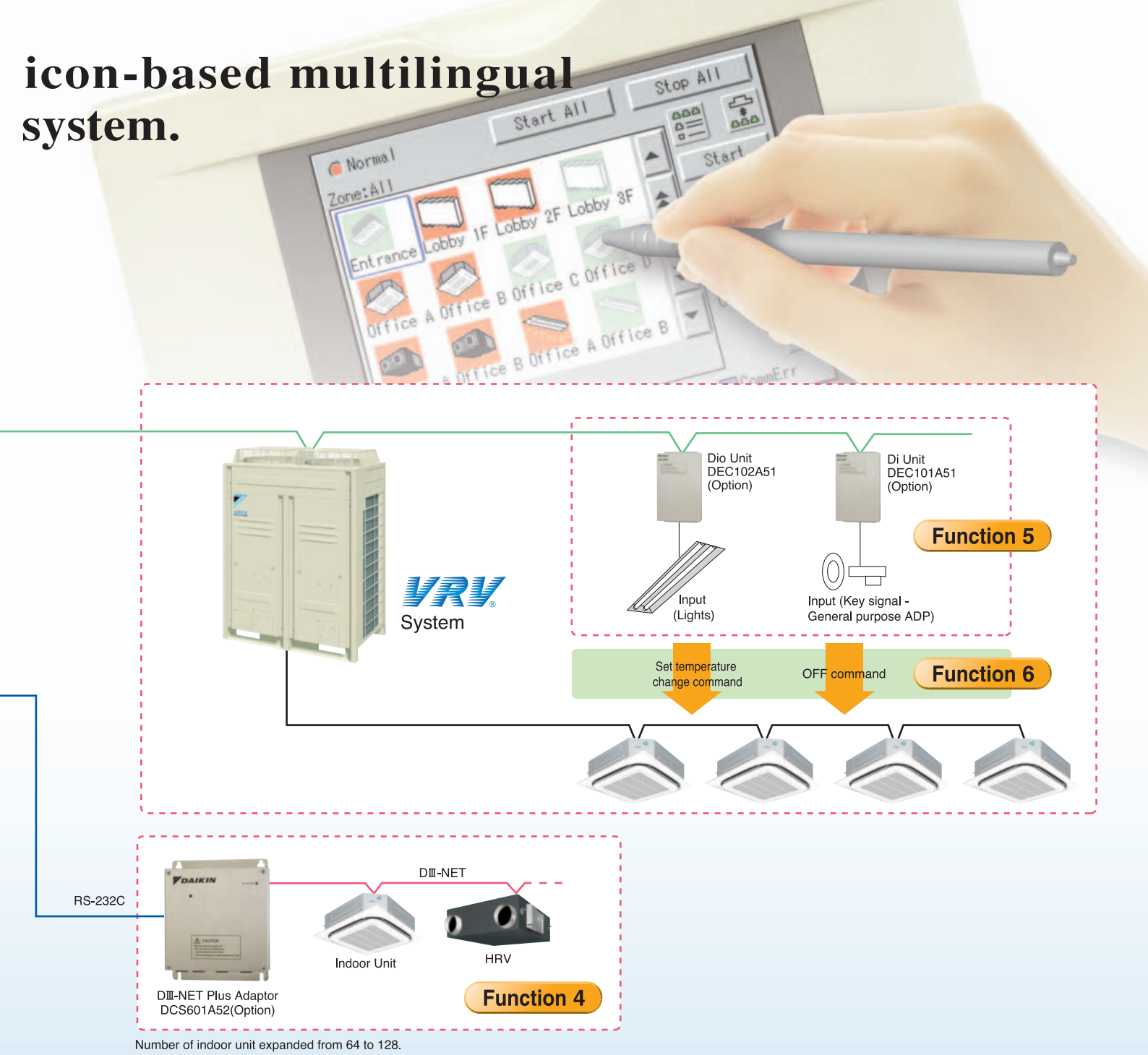
Allows dispatching of service engineers without the need for a call from the customer.



Rapid repairs because service engineers know the cause of the problem before setting out.

* There are restrictions in applicable areas and release times, therefore please consult us separately for details.

icon-based multilingual system.



Number of indoor unit expanded from 64 to 128.

Function 1

Support for centralised control from elsewhere using a PC with a Web browser (Option)

Function 2

Sending of e-mail alerts to a specified address when malfunctions occur (Option)

Function 3

Built-in modem for connecting to Air Conditioning Network Service System (Option)

Function 4

Doubling of number of connectable indoor units by adding a DIII-NET Plus Adaptor (Option)

Function 5

Management of facilities/equipment other than A/C units (By adding Dio unit or Di unit)

Function 6

Simple Interlock Function

Optional software

Web access function

A controller that offers freedom to administrators.

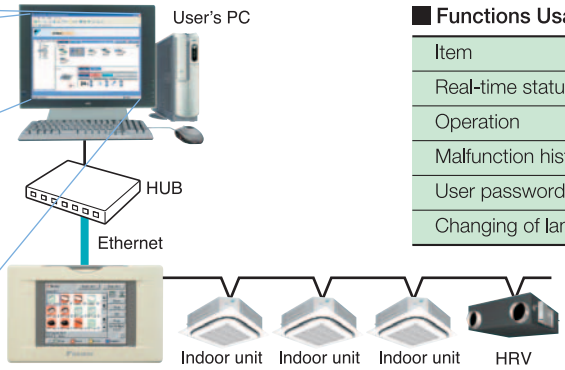
User-specific access restrictions

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

●Special Software Is Not Required!

Control and management are possible via the standard Web browser that comes installed on all PCs.

Main Monitoring Screen



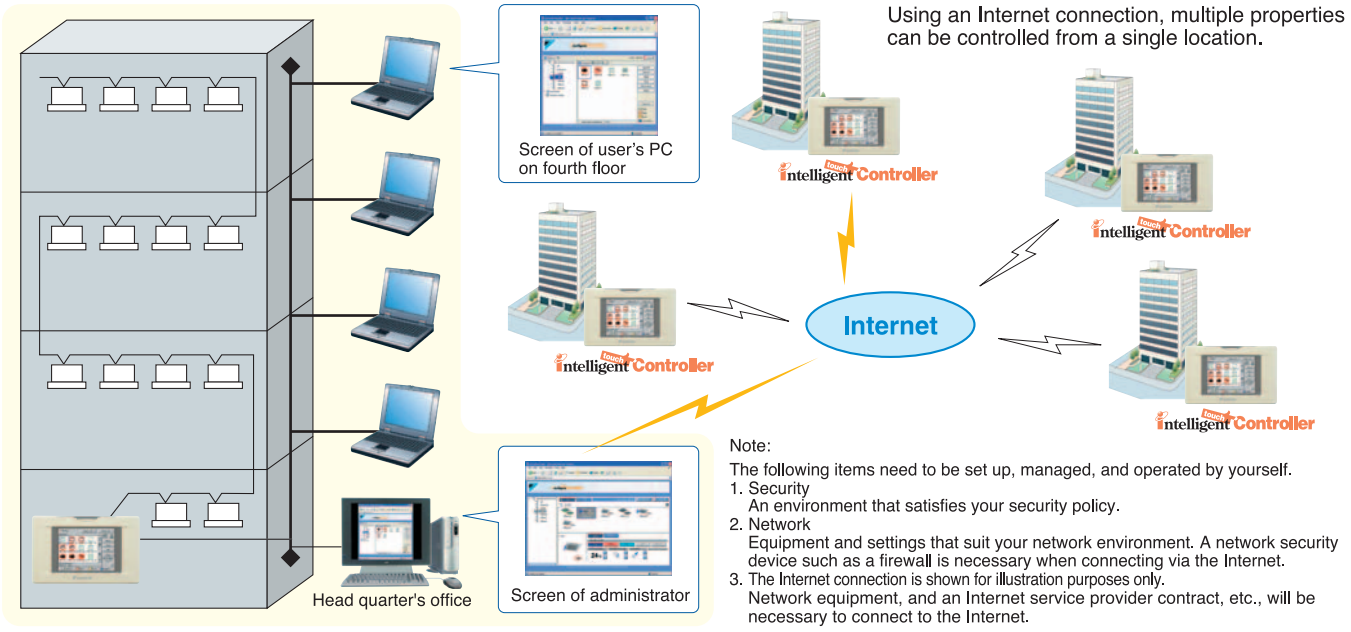
■ Functions Usable with a Web Browser

Item
Real-time status monitoring
Operation
Malfunction history display
User password setting
Changing of language displayed

Notes
1. Microsoft Internet Explorer 6.0 SP1, or a later version, is the recommended Web browser for use with the system.
2. The J2SE V1.4.2 Java plug-in from Sun Microsystems is required.

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

Remote Monitoring of Multiple Properties



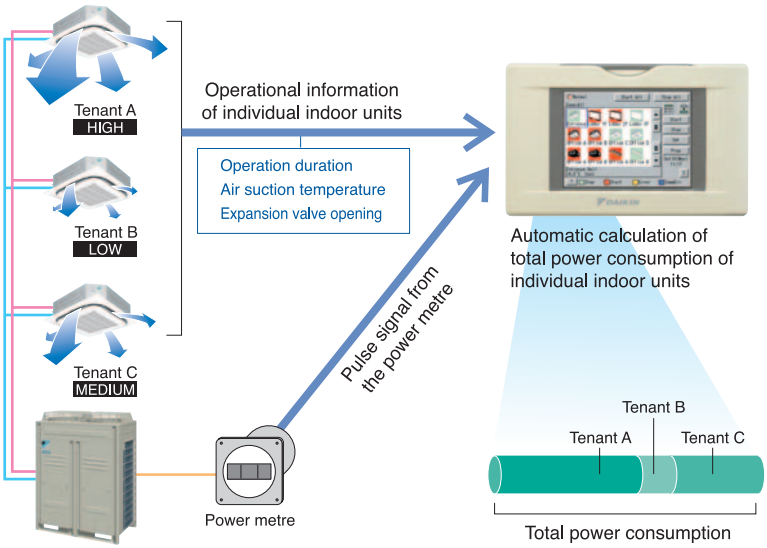
Note:
The following items need to be set up, managed, and operated by yourself.
1. Security
   An environment that satisfies your security policy.
2. Network
   Equipment and settings that suit your network environment. A network security device such as a firewall is necessary when connecting via the Internet.
3. 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.

PPD function

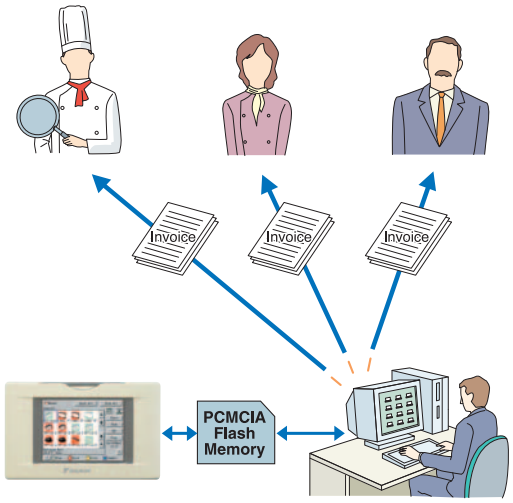
Calculation of air conditioning costs and analysing usage trends (Option)

PPD (Power Proportional Distribution)

Operational information of individual indoor units are monitored, allowing for distribution of power consumption at outdoor units.



Daikin's PPD system* keeps track of power distribution for each indoor unit or any specifically designated area. It performs air conditioning billing calculations quickly and automatically.

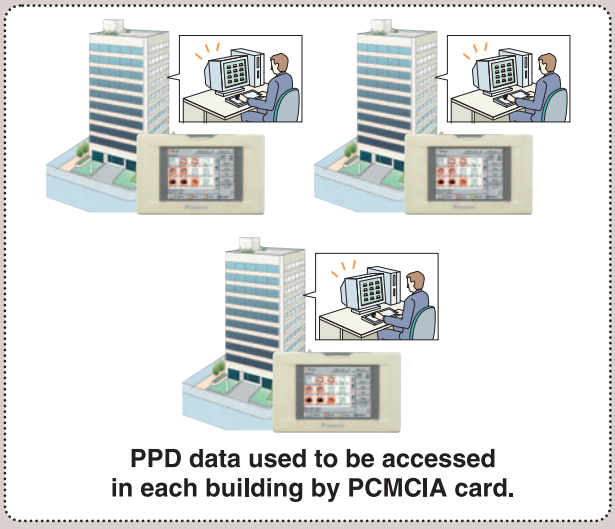


*This measurement method is Daikin original method.

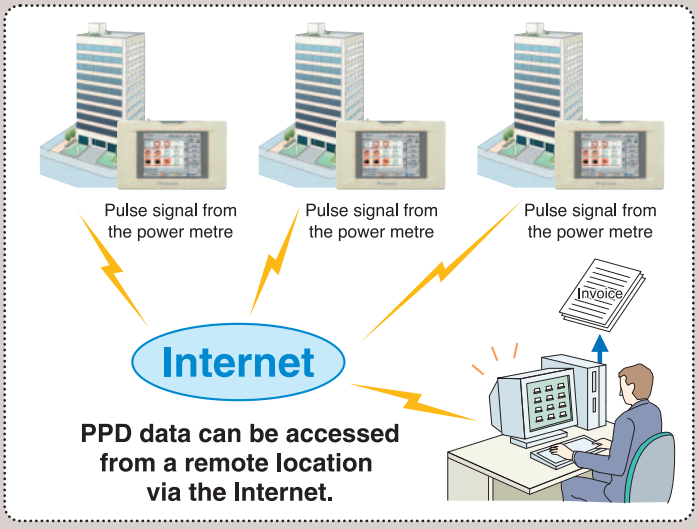
Availability of PPD data on web by the combination of Web access and PPD function

Availability of PPD data on web

It is possible to access the PPD data of remote and multiple buildings, via the Internet, from any location with a PC web by the combination of Web access and PPD function. There is no necessity to go to the site where the intelligent touch controller is installed. This enables simplification of the management of electric power control.



PPD data used to be accessed in each building by PCMCIA card.



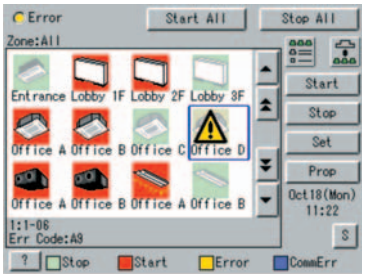
PPD data can be accessed from a remote location via the Internet.

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

Control and Monitoring Functions

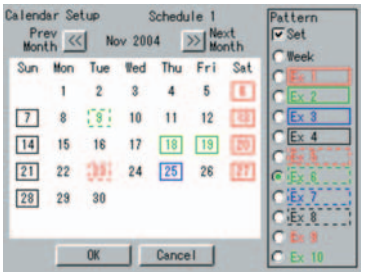
Enhanced History Function

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.



Enhanced Scheduling Function

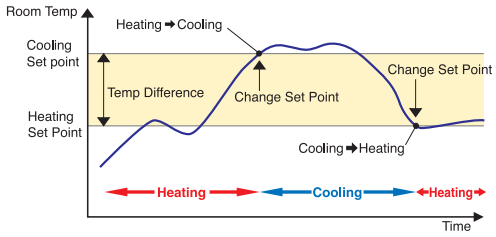
It is possible to set up an automated yearly schedule specifying such items as daily startup and shutoff times, temperature settings, and operation modes. In addition, the number of 10 patterns can be registered.



Calendar Screen

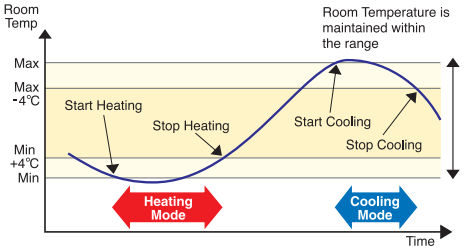
Auto Heat/Cool Change-Over

This function allows the optimal room temperature to be maintained without users having to change the operation mode by automatically switching the air conditioner's operation mode (cooling or heating) according to the room temperature for locations where the temperature difference during the day and at night is very large.



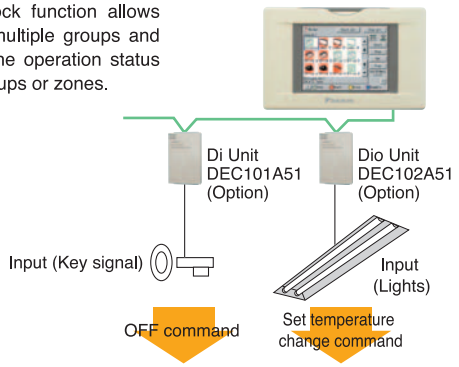
Temperature Limitation

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.



Simple Interlock Function

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



Changing Display Colours

The colour of the icons indicating running and stopped status can be changed. This makes it easy to customise the display to match the administrator's preferences or match the display of other control devices.

Note:
Colours shown can be changed.

Security

Registering Passwords

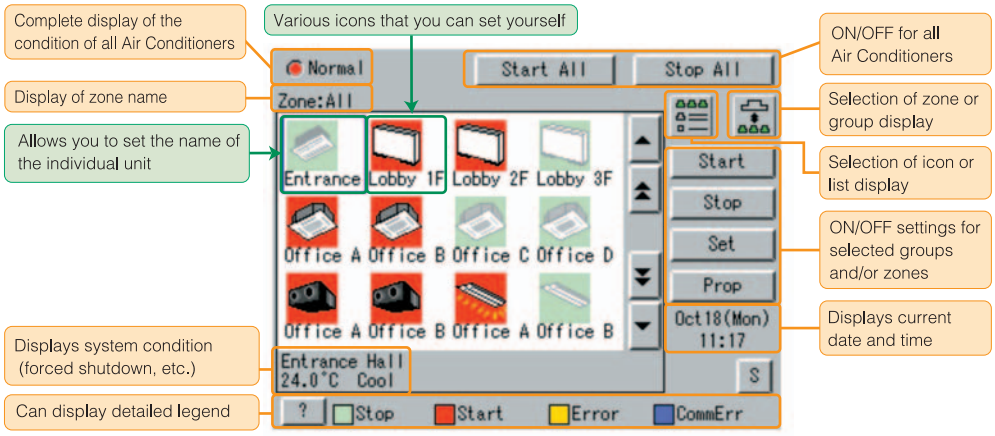
Passwords for general users and for administrators can be registered separately, permitting access to different levels of control functions.

Control and Monitoring Functions

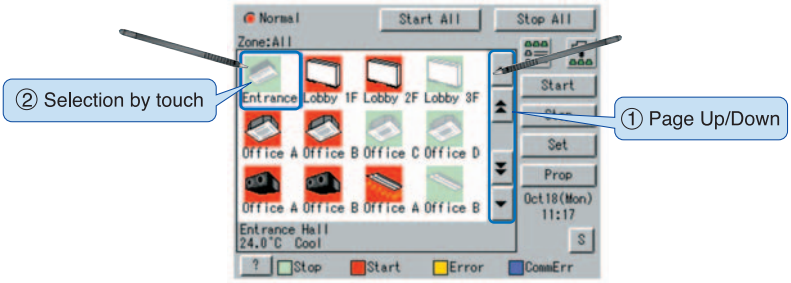
Colour LCD Screen

Touch Screen Operation

Icon Display

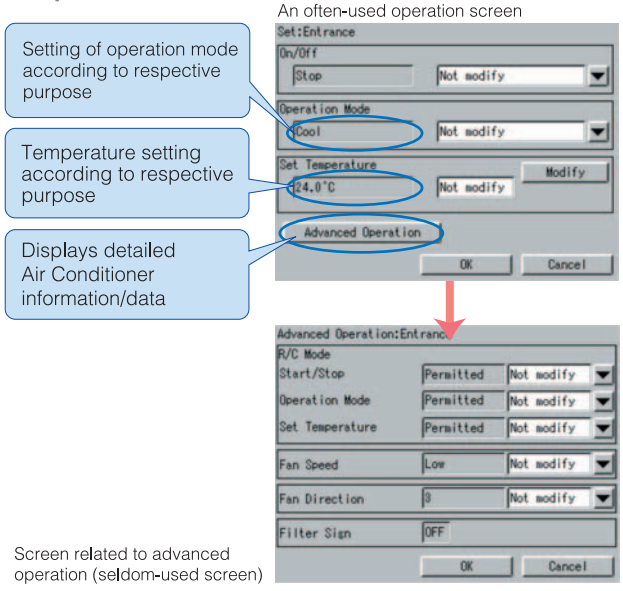


With just two or three simple actions, you can specify the Air Conditioner you want and control it speedily.



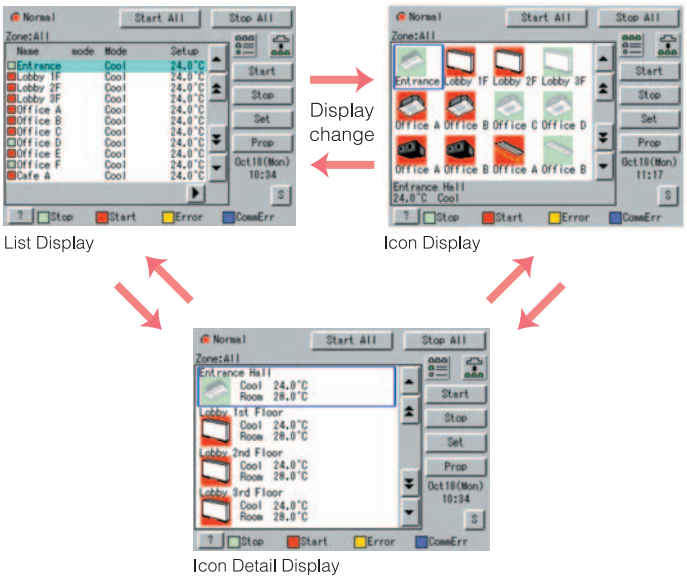
Allows easy operation of a variety of functions including the setting of operation mode and temperature.

An often-used operation screen



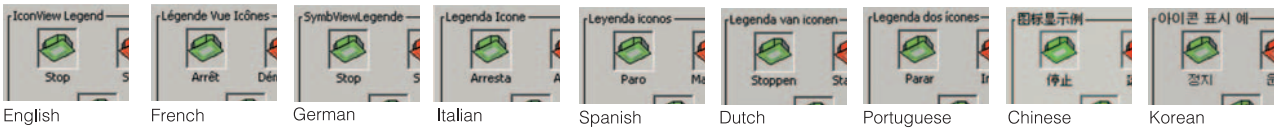
Screen related to advanced operation (seldom-used screen)

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



Multiple Languages

The display language can be switched as desired (English, French, German, Italian, Spanish, Dutch, Portuguese, Chinese, and Korean).
By displaying text in the administrator's own language, ease of use is enhanced.



Item	Basic	Option		
	Hardware	Hardware	Software	
	intelligent Touch Controller	DIII-NET Plus Adaptor	PPD	Web
Model No.	DCS601C51	DCS601A52	DCS002C51	DCS004A51
Max. indoor units	64 Groups	+64 Groups	—	—
Max. outdoor units	10	+10	—	—
Product data and engineering	Configuration and engineering for each project is necessary.	Additional configuration and engineering for each project is necessary.		
	For further details, please consult your nearest Daikin Distributor or dealer.			

Specification

Name		intelligent Touch Controller (DCS601C51)	DIII-NET Plus Adaptor (DCS601A52)
Power supply		Externally supplied 100 V AC–240 V AC 50/60 Hz	Externally supplied 100 V AC–240 V AC 50/60 Hz
Installation method condition for use		JIS4 switchbox embedded in indoor wall	—
Operating conditions	Surrounding temperature/humidity	0°C to 40°C/less than 85% RH (if no condensation)	-10°C to +40°C/less than 90% RH
Dimensions	(W × H × D)	230 × 147 × 107 (mm)	157 × 190 × 42 (mm)
Overseas certification	Safety of Information Technology Equipment	IEC60730 (including IEC60335)	IEC60730 (including IEC60335)
	Interference (EMC)	EN55022 Class-A, EN55024	EN55022 Class-A, EN55024
LCD panel	Size/no. of dots/no. of colours	5.7 inches / QVGA 320 × 240 / 4096 colours	—
Communication functions	DIII-NET ×1	A/C equipment communication line	A/C equipment communication line
	10BASE-T	Web option	—
Input terminals	Digital input Di ×1	Forced shutdown	—
	Pulse input Pi ×3	Power measuring pulse	Power measuring pulse

kWh metre

Item		Requirement Specification
kWh metre	Pulse transmitter	●1 Pulse to 1 kWh or 10 kWh pulse width must be within 40–400 m/sec. ●Output relay must be electronic type only. 1 Pulse to 1 kWh or 10 kWh pulse width must be within 40–400 m/sec. ●No voltage output

Optional adaptors

Item		Di unit (DEC101A51)	Dio unit (DEC102A51)
Input		8 pairs based on a pair of On/Off input and abnormality input	4 pairs based on a pair of On/Off input and abnormality input
Output		——	In case of normally output, 4 units are controllable. In case of instaneous output, 2 units are controllable.
Installation method		indoor unstallation	
Operating conditions	Surrounding temperature	-10℃ to +40℃	
	Humidity	10 to 85%	
Power supply		AC200 V-240 V,50/60 Hz	
Rated power consumption		15 W	
Applied standard		Safety standard: IEC730, EMC standard: CISPR22-A (EMI), CISPR (EMS)	
Mass(Weight)		2.5 kg	
Dimension		198 (H) 335 (W) 70 (D) mm	

Using intelligent touch controller

1. Installation of intelligent touch controller must be performed by a Daikin-trained engineer.
2. Once a month, adjust the clock of the intelligent touch controller.
3. Daikin's unique PPD system estimates the power consumption of each individual indoor unit based on data communicated from indoor units and compared to the power consumption of an air conditioning installation with a standard setup. Note that PPD is not a "gauge" adapted to the methods of measuring power consumption in each country. All countries differ in the ways tenant billing systems are implemented depending on their respective legal systems. Data obtained by PPD is for reference only and should not be used for official financial transactions.

JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.

JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM

EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

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