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.

Enhanced convenience through linkage to the Air Conditioning Network Service System
Can be linked to the 24-hour Air Conditioning Network Service System.

* There are restrictions in applicable areas and release times, therefore please consult us separately for details.
icon-based multilingual system.

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 DII-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

Number of indoor unit expanded from 64 to 128.
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.

Functions Usable with a Web Browser

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

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 J2SEE 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

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 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 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 shutdown times, temperature settings, and operation modes. In addition, the number of 10 patterns can be registered.

**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 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.

**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
- Complete display of the condition of all Air Conditioners
- 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 for 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

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.

- Setting of operation mode according to respective purpose
- Temperature setting according to respective purpose
- Displays detailed Air Conditioner information/data

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.
### Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Intelligent Touch Controller (DCS601CS1)</th>
<th>Dii-NET Plus Adaptor (DCS601A52)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardware</strong></td>
<td>Dii-NET Plus Adaptor</td>
<td>DCS601A52</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td></td>
<td>DCS002C51</td>
</tr>
<tr>
<td><strong>Model No.</strong></td>
<td>DCS601CS1</td>
<td>DCS004A51</td>
</tr>
<tr>
<td><strong>Max. indoor units</strong></td>
<td>64 Groups</td>
<td>+64 Groups</td>
</tr>
<tr>
<td><strong>Max. outdoor units</strong></td>
<td>+10</td>
<td></td>
</tr>
<tr>
<td><strong>Product data and engineering</strong></td>
<td>Configuration and engineering for each project is necessary.</td>
<td>Additional configuration and engineering for each project is necessary.</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>Externally supplied 100 V AC−240 V AC 50/60 Hz</td>
<td>Externally supplied 100 V AC−240 V AC 50/60 Hz</td>
</tr>
<tr>
<td><strong>Installation method condition for use</strong></td>
<td>JIS4 switchbox embedded in indoor wall</td>
<td></td>
</tr>
<tr>
<td><strong>Operating conditions</strong></td>
<td>Surrounding temperature/humidity</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(W x H x D)</td>
<td></td>
</tr>
<tr>
<td><strong>Overseas certification</strong></td>
<td>Safety of Information Technology Equipment</td>
<td>IEC60730 (including IEC60355) IEC60730 (including IEC60355)</td>
</tr>
<tr>
<td><strong>Interference (EMC)</strong></td>
<td>EN55022 Class-A, EN65024 EN55022 Class-A, EN55024</td>
<td></td>
</tr>
<tr>
<td><strong>LCD panel</strong></td>
<td>Size, no. of dots/no. of colours</td>
<td></td>
</tr>
<tr>
<td><strong>Communication functions</strong></td>
<td>Dii-NET x1</td>
<td>A/C equipment communication line</td>
</tr>
<tr>
<td><strong>Input terminals</strong></td>
<td>Digital input DI x1</td>
<td>Forced shutdown</td>
</tr>
<tr>
<td><strong>Output terminals</strong></td>
<td>Digital input PI x3</td>
<td>Power measuring pulse</td>
</tr>
</tbody>
</table>

### kWh metre

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>kWh metre</td>
<td></td>
</tr>
<tr>
<td>Pulse transmitter</td>
<td>1 Pulse to 1 kWh or 10 kWh pulse width must be within 40–400 m/s.</td>
</tr>
<tr>
<td></td>
<td>Output relay must be electronic type only; 1 Pulse to 1 kWh or 10 kWh pulse width must be within 40–400 m/s.</td>
</tr>
<tr>
<td></td>
<td>No voltage output</td>
</tr>
</tbody>
</table>

### Optional adaptors

<table>
<thead>
<tr>
<th>Item</th>
<th>Di unit (DEC101A51)</th>
<th>Dio unit (DEC102A51)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8 pairs based on a pair of On/Off input and abnormality input</td>
<td>4 pairs based on a pair of On/Off input and abnormality input</td>
</tr>
<tr>
<td>Output</td>
<td>In case of normally output, 4 units are controllable.</td>
<td>In case of instaneous output, 2 units are controllable.</td>
</tr>
<tr>
<td>Installation method</td>
<td>indoor installation</td>
<td></td>
</tr>
<tr>
<td>Operating conditions</td>
<td>-10°C to +40°C</td>
<td>10 to 85%</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC200 V-240 V, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Rated power consumption</td>
<td>15 W</td>
<td>Safety standard: IEC730, EMC standard: CISPR22-1 (EMI), CISPR (EMS)</td>
</tr>
<tr>
<td>Mass (Weight)</td>
<td>2.5 kg</td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>198 (H) 335 (W) 70 (D) mm</td>
<td></td>
</tr>
</tbody>
</table>

### 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.