### Air Conditioning Network Service System

#### Preventive Maintenance

The Intelligent Touch Manager can be connected to Daikin’s own Air Conditioning Network Service System for remote monitoring and verification of operation status for VRV system. By its ability to predict malfunctions, this service provides customers with additional peace of mind.

#### Enhanced convenience with link to the Air Conditioning Network Service System

The Intelligent Touch Manager connects seamlessly to Daikin’s 24-hour Air Conditioning Network Service System.

- **ACC centre**
  - Personnel at the centre monitor the occurrence of malfunctions and track their cause via the Internet.
  - Advance malfunction warnings help prevent the sudden occurrence of problems later.

- **Air Conditioning Network Service System**
  - Enable prompt repairs as service engineers know the cause of the problem beforehand.
  - Even malfunctions difficult to identify can be monitored remotely.
  - Allows dispatching of service engineers without a call from customers.

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### Daikin Offers a Variety of Control Systems

#### Convenient controllers that offer more freedom to administrators

- **Elastic Controller**
  - The user-friendly controller features colours, multilingual function, and icons in the display for ease of understanding. 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.

#### Connect VRV system to your BMS via BACnet® or LONWORKS®

- **Compatible with BACnet® and LONWORKS®, the two leading open network communication protocols**, Daikin offers interfaces that provide a seamless connection between VRV system and your BMS.

- **Notes:**
  1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers(AHRI).
  2. LONWORKS® is a trademark of Echelon Corporation registered in the United States and other countries.

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### Using intelligent Touch Manager

1. A Daikin-trained engineer must perform installation of the intelligent Touch Manager.
2. The clock of the intelligent Touch Manager should be adjusted once a month.
3. Daikin’s unique PPD system calculates the energy consumption of each indoor unit based on its operation data output. Note that PPD is not a “meter” adapted to the methods of measuring electrical power consumption in each country. Tenant billing systems differ by country according to each country’s respective legal system. Data obtained by PPD is for reference use only and should not be used for official financial transactions.

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### Specifications, designs and other content appearing in this brochure are current as of June 2016 but subject to change without notice.

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**PCNGO1214C**

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**ALL IN ONE**

System solution for management of building air conditioning
You can control VRV system from anywhere through Wi-Fi.

One touch selection enables flexible control of equipment in a building.

Various types of equipment in a building can be controlled by a single controller.

**Individual air-conditioning control**

The flexible control achieved by the VRV system precisely meets different air conditioning needs in each room (e.g., offices, conference rooms, hotel rooms).

**Lighting control**

DALI-compatible LED lighting systems can be controlled and monitored. Lighting control is enhanced through an interlock function with air conditioners and other functions.

**Air-conditioning control for large spaces**

Air handling units can also be controlled. Large spaces, such as entrance halls and shopping malls, can be easily controlled to ensure comfort.

**Building equipment control**

Various types of equipment other than air conditioners, including ventilators, fans, and pumps, can also be controlled.

**Energy control**

The status of energy consumption in a building (e.g., electricity, gas) can be checked and analyzed. The data can then be effectively utilized to ensure energy-efficient operation.

**Environmental monitoring**

The indoor environment (e.g., temperature, humidity, illuminance) can be monitored via various sensors. This feature is effective for controlling and maintaining comfort.

**Smart phone operation**

Air conditioners can be operated by smart phones via Wi-Fi. This feature is effective as a value-added service for tenants etc.

Energy-efficient control of air conditioning and lighting is the key to cutting energy costs.

Electricity consumption ratio in typical office buildings

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC</td>
<td>48%</td>
</tr>
<tr>
<td>Lighting</td>
<td>24%</td>
</tr>
<tr>
<td>Office device</td>
<td>16%</td>
</tr>
<tr>
<td>Other</td>
<td>12%</td>
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</tbody>
</table>

Source: Agency for Natural Resources and Energy, Government of Japan

HVAC and lighting account for 72%.
You can control the VRV system from anywhere through Wi-Fi.

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Electricity consumption ratio in typical office buildings:

- **HVAC** (48%)
- **Lighting** (24%)
- **Office device** (16%)
- **Other** (12%)

HVAC and lighting account for 72%.

Source: Agency for Natural Resources and Energy, Government of Japan
By controlling the VRV system using the intelligent Touch Manager, energy saving can be promoted while maintaining comfort.

**Comfort with minimum energy**

In office buildings, approx. 30-50% of total electricity consumption is occupied by air conditioning. intelligent Touch Manager provides a huge potential of cost saving.

---

**Schedule the operation time for each application.**

**Define the setpoint range that users can change.**

**Turn the unit OFF if a user didn’t.**

**Reset setpoint regularly.**

---

**Case Study at actual building**

**CASE 1: Office**

The air-conditioning power consumption was cut by **32%**.

**Project detail**

- **Floor area**: 1,400m²
- **VRV ODU**: 100HP

**Background**

- All control was done by users with local remote controllers.
- No centralized controller was installed.

**What’s New**

- Our centralized controller has been installed.
- The following three control logics have been newly added.

**Project detail**

- **Floor area**: 8,100m²
- **VRV ODU**: 796HP

**Background**

- All control was done by users with local remote controllers.
- No centralized controller was installed.

**What’s New**

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**Case Study at actual building**

**CASE 2: University**

The total power consumption in the building was cut by **26%**.

**Project detail**

- **Floor area**: 8,100m²
- **VRV ODU**: 796HP

**Background**

- All control was done by users with local remote controllers.
- No centralized controller was installed.

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**Air-conditioning power consumption can be reduced by 20 to 30%, using energy-efficient control.**

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By controlling the VRV system using the *intelligent Touch Manager*, energy saving can be promoted while maintaining comfort.

**Comfort with minimum energy**
In office buildings, approx. 30-50% of total electricity consumption is occupied by air conditioning. *intelligent Touch Manager* provides a huge potential of cost saving.

**Case Study at actual building**
**CASE 1: Office**

- **Project detail**
  - Floor area: 1,400m²
  - VRV ODU: 100HP
  - Verification target is only for 8th floor of the building.

- **Background**
  - All control was done by users with local remote controllers.
  - No centralized controller was installed.

- **What’s New**
  - Our centralized controller has been installed.
  - The following three control logics have been newly added.

- **Schedule the operation time for each application.**
  - Office: 8:00-18:00
  - Reception: 9:00-17:00
  - Admin: 8:30-17:00
  - Machine room: 24 hours
  - Manager room: 8:00-20:00
  - Meeting room: No schedule

- **Define the setpoint range that users can change.**
  - With Remote controller: I’m dying in hot.
  - With Control System: Set point range 22°C - 28°C

- **Turn the unit OFF if a user didn’t.**
  - Turn ON again by remote controller, forgot to turn OFF, and left.

- **Reset setpoint regularly.**
  - Change to 20°C

**Case Study at actual building**
**CASE 2: University**

- **Project detail**
  - Floor area: 8,100m²
  - VRV ODU: 796HP

- **Background**
  - All control was done by users with local remote controllers.
  - No centralized controller was installed.
  - Setpoints were not controlled.

- **What’s New**
  - Our centralized controller has been installed.
  - The following three control logics have been newly added.

- **Schedule the operation time for each application.**
  - Office: 8:00-18:00
  - Working hours: (Scheduled)
  - Change to 20°C

- **Define the setpoint range that users can change.**
  - Setpoints are restricted to 22-32°C for cooling and 19-21°C for heating.

- **Turn the unit OFF if a user didn’t.**
  - Automatically turn OFF to cut wasteful operation

- **Reset setpoint regularly.**
  - Set at 24°C, reset to 24°C

**Air-conditioning power consumption can be reduced by 20 to 30%, using energy-efficient control**

The air-conditioning power consumption was cut by **32%**.

- **FY13 power consumption**
  - 4,976 kWh/day
  - 3,695 kWh/day

- **FY12 power consumption**
  - 4,000 kWh/day

- **OA temperature**
  - 26°C

- **Before**
  - Turn off as scheduled

- **After**
  - Automatically turn OFF to cut wasteful operation

- **Why?**
  - It cannot be set below this temperature.

- **Case Study at actual building**
  - The total power consumption in the building was cut by **26%**.
**For Energy Saving & Comfort**

**intelligent Touch Manager** maximises the advantages of VRV features

intelligent Touch Manager is an advanced multi-zone controller that provides the most cost-effective way to control and monitor the Daikin VRV system. The 10.4" LCD touch screen is easy to use with three different screen views to include the floor plan layout view, icon view and list view and menus for system configurations. It is also easy to use with standardized remote Web Access from your PC.

It can manage a total of 650 management points consisting of up to 512 Daikin indoor unit groups (up to 1024 indoor units) along with building equipment control / monitoring with Digital Inputs / Output (Di/Dio), Analog Inputs / Output (Ai/Ao) and Pulse input (Pi) optional devices.

---

**Only When and Where Necessary**

Flexible control can be achieved to meet air conditioning needs in each room

**Saving energy by preventing wasteful operation in unoccupied periods**

Requirements for air conditioning system depend on the application of buildings. In this example, each floor of the office building is occupied by different tenants, and they have their own preferences due to their working days and hours. intelligent Touch Manager has the flexible schedule programme which can set specific operation days, time, and setpoint for each tenant or even each indoor unit. Therefore the air conditioning system can operate only when and where necessary irrespective of the motivation for energy saving of the tenants.

---

In addition to switching lights on and off, advanced lighting control, such as illuminance adjustment, can be achieved

**Lighting control (Option)**

**Connection to DALI-compatible lighting control system**

Simple wiring (daisy chain) enables management of LED lighting by the intelligent Touch Manager. Various air conditioning and lighting control is enabled through the interlock with occupancy sensors and illuminance sensors.

**Easy maintenance and energy saving by lighting control**

**Case 1**

Switch-on / switch-off and illuminance are controlled based on a schedule to cut wasteful power consumption.

- Failing to switch off lights is prevented.
- Optimal illuminance reduces energy.

**Case 2**

Occupancy sensors are used to eliminate both wasteful lighting and air conditioning.

When a room is unoccupied, the air conditioning stops and the lighting is switched off.

---

**Case 3**

Lighting abnormalities (e.g. burned-out bulbs) can be checked on the intelligent Touch Manager screen.

Lighting maintenance becomes easier and quicker.

The layout screen enables quick identification of specific locations.

---

Please contact your local sales office for details.
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**Lighting control achieved by the intelligent Touch Manager**

- **Operation**
  - Switch-on / switch-off operation
  - Illuminance (1-100%) control
  - Various illuminance patterns can be registered
  - Registered pattern can be selected from **intelligent Touch Manager**

- **Monitoring**
  - Switch-on / switch-off status monitoring
  - Lighting abnormality monitoring
  - Illuminance monitoring
  - DALI occupancy sensor monitoring
  - DALI illuminance sensor monitoring

**[Overview of control]**

- Up to 5 DALI modules can be connected to a single BACnet controller.
- Up to 64 DALI LED drivers (64 addresses) can be connected to a single DALI module.
- 64 DALI addresses can be freely assigned to up to 16 groups using a single DALI module.
- Up to 16 scenes can be set to a single DALI module.
- Up to 12 sensors (occupancy, illuminance) can be connected to a single DALI module.
- DALI BAS simplifies wiring and setting work by daisy chain wiring and automatic address setting.
- Failing to switch off lights is prevented.
- Optimal illuminance reduces energy.

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Lighting maintenance becomes easier and quicker.

The layout screen enables quick identification of specific locations.
Not Only VRV System, but Also Other Building Equipment

Integrated control for air conditioning in large spaces can be achieved by a single controller

A wide variety of equipment can be connected

- Intelligent Touch Manager covers not only the VRV system but also other air conditioning systems (e.g. air handling units) and building equipment (e.g. sensors).
- VRV system
- Outdoor/air processing
- Fire alarm, Electricity monitoring
- Fire alarm, kWh meter
- Light, Pump, Fan, Key card switch, Window contact switch, Sensing (temperature, humidity, CO2, lux, occupancy...)
- Air handling unit, Chiller
- WAGO I/O up to 30 nodes
- Building equipment

Effective service functions offered to tenants

Smart phone will be a remote controller of VRV system (Option)

Users can operate and check the status of VRV system from their smartphones via Wi-Fi.

- VRV Smart Phone Remote Controller
- To be released in August 2016
- Up to 512 indoor units can be controlled.
- Just add SVMPR2 to this system

Remote monitoring

Multiple buildings can be managed from one site

Remote monitoring control

The Web function enables management for the Daikin VRV system with other building equipment integrated into Intelligent Touch Manager that can be accessed from your PC

- All operations and system configurations which you can do on the Intelligent Touch Manager touch screen can be done through Web access.
- E-mail alert enables prompt response by service engineers based timely and precise knowledge of what happened in the system at the remote site.

E-mail alerts for reporting malfunctions

E-mail alerts are sent immediately to inform concerned parties of malfunctions involving equipment connected to the Intelligent Touch Manager. Conveying equipment models and error codes, these e-mail alerts enable recipients to take prompt action and can be set for specific equipment.

Up to 10 e-mail addresses can be registered.

For buildings | VRV Smart Phone Remote Control System
- VRV Indoor unit
- Up to 64 indoor units can be controlled.
- Just add SVMPRC2 to this system

For house | VRV Smart Phone Remote Control System
- VRV Outdoor unit
- Up to 512 indoor units can be controlled.
- You can control VRV system from anywhere through Wi-Fi

Network / Internet

Unified Monitoring and Control

All views and menus can be accessed via Web

*Flash player is required.

E-mail alerts are sent to smartphones and PCs.
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DPI-NET

BACnet / IP

RS485

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VRV Indoor unit

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LAN cable

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Motivating for further energy saving

Energy saving assisted by Energy Navigator (Option)

Energy consumption trends of all the equipment (including air conditioning units) can be easily understood by using the Energy Navigator feature. Here users can identify air conditioning units that are suspected of overcooling or kept running in unoccupied rooms. The Energy Navigator feature will also provide support in formulation and verification of energy-saving measures to help ensure advanced energy management.

Hourly energy consumption is measured and the intelligent Touch Manager records data sent from the electrical meter.

Energy consumption data is presented on a daily and monthly basis. Also, energy targets and projected energy consumption data as well as comparison data with the previous year’s actual results are presented in a user-friendly format to help ensure energy-saving control.

Reporting the power consumption of VRV system for each tenant

With the PPD function, power consumption can be calculated for each indoor unit (Option)

The energy consumption is proportionately calculated for each indoor unit. The data can be used for energy management and calculation of air conditioning usage fees for respective tenants.

Operational information of individual indoor units are monitored, based on distribution of power consumption of outdoor units.

Daikin’s PPD keeps track of power distribution for each indoor unit. It performs air conditioning billing calculations quickly and automatically.

It is easy to output PPD data. PPD data is output in CSV format to a PC or USB memory device and can be freely processed and managed.

Air conditioning bills can be issued by one click

Electricity bills can be easily calculated for each tenant (Option)

The power consumption of VRV controlled by the intelligent Touch Manager can be easily managed for each tenant using a PC. The electricity bill settings facilitate billing work through easy calculation and issuance of VRV electricity bills.

Energy consumption is automatically evaluated for each room. Based on the accumulated data, the intelligent Touch Manager automatically identifies rooms and air conditioning units that substantially deviate from operation rules established by the user for operation time and predetermined temperature settings. A benchmark showing ways to further reduce energy consumption can be displayed to alert users to even greater energy and cost savings.

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Accumulated data appears in an easy-to-understand graph.

Information concerning energy management of the system can be viewed on the user’s own PC via LAN.

Energy consumption is automatically evaluated for each room. Based on the accumulated data, the intelligent Touch Manager automatically identifies rooms and air conditioning units that substantially deviate from operation rules established by the user for operation time and predetermined temperature settings. A benchmark showing ways to further reduce energy consumption can be displayed to alert users to even greater energy and cost savings.

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Specifications

### intelligent Touch Manager function

<table>
<thead>
<tr>
<th>Category</th>
<th>Function</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic functions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management points</td>
<td>Maximum number of management points: 650</td>
<td></td>
</tr>
<tr>
<td>Areas</td>
<td>Maximum number of areas: 650</td>
<td>Maximum area hierarchies: 10</td>
</tr>
<tr>
<td>Supported languages</td>
<td>English, French, German, Italian, Spanish, Portuguese, Dutch, Chinese, and Japanese</td>
<td></td>
</tr>
<tr>
<td>Monitoring screens</td>
<td>Icon view: Shows the operation status of equipment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>List view: Detailed information of each management point is displayed.</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>Up to 500,000 events are recorded in history including malfunctions, operations, automatic control, and system information. Operation origin is also recorded.</td>
<td></td>
</tr>
<tr>
<td>Schedule</td>
<td>Number of programmes: 100</td>
<td>Up to 20 actions/day can be set.</td>
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<td>Weekly schedule: 7 days of the week + 5 special days can be set.</td>
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<td>Interlock</td>
<td>Number of programmes: 900</td>
<td>Interlock is possible for on/off, malfunction, analogue value, and operation mode switching.</td>
</tr>
<tr>
<td>Automatic changeover</td>
<td>Number of changeover groups: 512</td>
<td></td>
</tr>
<tr>
<td>Temperature limit</td>
<td>Number of temperature limit groups: 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper limit range: 32°C-50°C</td>
<td>Lower limit range: 2°C-16°C</td>
</tr>
<tr>
<td>Sliding temperature</td>
<td>Number of sliding temperature groups: 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Outdoor temperature range: 18°C-34°C</td>
<td>Setpoint range: 16°C-30°C</td>
</tr>
<tr>
<td>Heating Mode Optimisation (HMO)</td>
<td>Unneeded heating is prevented.</td>
<td></td>
</tr>
<tr>
<td>Timer extension</td>
<td>Operation start is selectable from 30, 60, 90, 120, 150, and 180 minutes.</td>
<td></td>
</tr>
<tr>
<td>Setback</td>
<td>Setback setpoint can be set for 2 patterns. Temperature range: 1°C-7°C, -1°C-7°C (outpoint shift amount)</td>
<td></td>
</tr>
<tr>
<td>Data control</td>
<td>Power Proportional Distribution</td>
<td>Hourly Power Proportional Distribution results up to 13 months are recorded. The system supports data output in CSV format.</td>
</tr>
<tr>
<td></td>
<td>Energy Navigator</td>
<td>Actual results of daily/monthly energy consumption are shown in graphs. Comparisons can be made with predetermined values/actual results of the previous year. Inefficient operation of VRV indoor units is automatically identified, and energy waste is calculated.</td>
</tr>
<tr>
<td>Remote access</td>
<td>Web access: Web browsers can display the same type of screen as the Intelligent Touch Manager. Up to 4 administrators and 60 general users can be registered. Screens and operation accessible to general users can be restricted.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E-mail alerts: Up to 10 e-mail addresses can be set. Addresses for sending malfunction alerts can be set by range of management points. The SMTP server authentication method is selectable from no authentication, POP before SMTP, and SMTP-AUTH.</td>
<td></td>
</tr>
<tr>
<td>System</td>
<td>Automatic registration: Indoor units connected to Dig-NET are automatically detected, and icons for respective models are automatically registered.</td>
<td></td>
</tr>
<tr>
<td>Security</td>
<td>Screen lock functions are available. Access restrictions can be set for each general user.</td>
<td></td>
</tr>
<tr>
<td>Screen savers</td>
<td>Screen savers are selectable from 3 patterns.</td>
<td></td>
</tr>
<tr>
<td>Air Conditioning Network Service</td>
<td>Setting of contact information: Contact information for servicing can be registered.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A service agreement needs to be concluded.</td>
<td></td>
</tr>
</tbody>
</table>

### intelligent Touch Manager System Overview

- **Up to 650 management points**
- **Up to 512 groups**
- **64 indoor unit groups (128 indoor units)**
- **100Mbps Ethernet**
- **Max. 64 indoor unit groups**
- **USB 2.0 Flash drive**
- **Max. 64 indoor unit groups**
- **Weekly schedule**
- **Yearly calendar**
- **Seasonal schedule**
- **Number of programmes: 900**
- **Number of changeover groups: 512**
- **Number of temperature limit groups: 8**
- **Upper limit range: 32°C-50°C**
- **Lower limit range: 2°C-16°C**
- **Number of sliding temperature groups: 8**
- **Outdoor temperature range: 18°C-34°C**
- **Setpoint range: 16°C-30°C**
- **Unneeded heating is prevented.**
- **Operation start is selectable from 30, 60, 90, 120, 150, and 180 minutes.**
- **Setback setpoint can be set for 2 patterns. Temperature range: 1°C-7°C, -1°C-7°C (outpoint shift amount)**
- **Hourly Power Proportional Distribution results up to 13 months are recorded. The system supports data output in CSV format.**
- **Actual results of daily/monthly energy consumption are shown in graphs. Comparisons can be made with predetermined values/actual results of the previous year. Inefficient operation of VRV indoor units is automatically identified, and energy waste is calculated.**
- **Web browsers can display the same type of screen as the Intelligent Touch Manager. Up to 4 administrators and 60 general users can be registered. Screens and operation accessible to general users can be restricted.**
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- **Automatic registration: Indoor units connected to Dig-NET are automatically detected, and icons for respective models are automatically registered.**
- **Screen lock functions are available. Access restrictions can be set for each general user.**
- **Screen savers are selectable from 3 patterns.**
- **Setting of contact information: Contact information for servicing can be registered.**
- **A service agreement needs to be concluded.**
- **Residential A/C**
- **Power Proportional Distribution**
- **Energy Navigator**
- **E-mail alerts**
- **Web access**
- **Remote access**
- **System**
- **Automatic registration**
- **Security**
- **Screen savers**
- **Air Conditioning Network Service**
- **Setting of contact information**
- **Screen lock functions**
- **Access restrictions**
- **Screen savers**
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**Specifications**

### intelligent Touch Manager function

<table>
<thead>
<tr>
<th>Category</th>
<th>Function</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>Basic functions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management points</td>
<td>Maximum number of management points: 650</td>
<td>(Number of D connection management points: 512)</td>
</tr>
<tr>
<td>Areas</td>
<td>Maximum number of areas: 650</td>
<td>Maximum area hierarchies: 10</td>
</tr>
<tr>
<td>Supported languages</td>
<td>English, French, German, Italian, Spanish, Portuguese, Dutch, Chinese, and Japanese</td>
<td></td>
</tr>
<tr>
<td>Monitoring screens</td>
<td>Icon view</td>
<td>Icons show the operation status of equipment.</td>
</tr>
<tr>
<td></td>
<td>List view</td>
<td>Detailed information of each management point is displayed.</td>
</tr>
<tr>
<td></td>
<td>Layout view</td>
<td>Up to 60 screens can be created. (Engineering option)</td>
</tr>
<tr>
<td>History</td>
<td>Up to 500,000 events are recorded in history including malfunctions, operations, automatic control, and system information. Operation origin is also recorded.</td>
<td></td>
</tr>
<tr>
<td>Schedule</td>
<td>Number of programmes: 100</td>
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### intelligent Touch Manager System Overview

- Air Conditioning Network Service System
  - Up to 650 management points
  - WAGO I/O system
  - DALI BUS
  - DAU BUS
  - Fan
  - Pump
  - Sensor: Occupancy / Illuminance
  - DALI LED driver
  - BACnet controller
  - BACnet Module
  - KRP928BB2S
  - 11 12

- System Structure
  - Up to 30 nodes
  - Maximum number of management points: 650
  - Maximum number of adaptors: 7
  - Network Service System
  - Max. 64 indoor unit groups (128 indoor units)
  - 100Mbps Ethernet
  - USB 2.0
  - SD memory card
  - Flash drive
  - SVMPR2: for controlling 64 units
  - SVMPS1: for controlling 512 units
  - SVMPC2: and icons for respective models are automatically registered.
### DAIKIN supplied equipment & Software option

**Model** | **Item** | **Description**
--- | --- | ---
DCM601A51 | Intelligent Touch Manager |
DCM601A52 | Intelligent Touch Manager (Option) |
DCM602A51 | iTM power proportional distribution software (Option) |
DCM607A51 | HTTP interface software (Option) |
DCM608A51 | iTM energy navigator software (Option) |
DCM609A51 | BACnet client software (Option) |

#### WAGO I/O system

**Model** | **Port Number** | **Use**
--- | --- | ---
WAGO Di | 1ch | iTM plus adaptor (Up to 7 adaptors)
WAGO Dio | 1ch | Pulse input, contact signal input

#### Intelligent Touch Manager

**Port** | **Number** | **Use**
--- | --- | ---
D I | 1ch | iDE-NET (Up to 64 groups)
LAN | 1ch | Web Access (10BASE-Tx)
RS485 | 1ch | External VIO module (Di,Do,Ai,Ao,Pi)
Di/Pi | 4ch | Emergency stop input (Di1) Pulse input, contact signal input
plus ADP IF | 1ch | iTM plus adaptor (Up to 7 adaptors)
Internal modem (option) | 1ch | Air Conditioning Network Service System

### Locally supplied equipment

**Item** | **Specification**
--- | ---
USB memory | USB 2.0 Up to 32GB memory can use
PC for Web access | Web browser : Internet Explorer 11 Firefox 26.0 Chrome 32.0 Flash Player : Ver1.1.9.901.170

### SVM Series Model

**Model** | **Comment**
--- | ---
SVMPD2 | VRM Smart Phone Control System for residence
SVMPD2 | VRM Smart Phone Remote Controller for building
SVMPD3 | Tenant Billing System with PPD
DAIKIN supplied equipment & Software option

**Model**

| DCM601A51 | Intelligent Touch Manager |
| DCM601A52 | ITM plus adaptor (Option) |
| DCM002A51 | ITM power proportional distribution software (Option) |
| DCM007A51 | HTTP interface software (Option) |
| DCM009A51 | ITM energy navigator software (Option) |

**WAGO I/O system**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Di module</td>
<td>DCM24/4 (5.4m): 750-400,750-432</td>
</tr>
<tr>
<td>Di module</td>
<td>DCM24/2 (8.5m): 750-430</td>
</tr>
<tr>
<td>Do module</td>
<td>ACC72/20 (2.0): 750-513/000-001</td>
</tr>
<tr>
<td>Do module</td>
<td>DCM24/5 (5.5): 750-504</td>
</tr>
<tr>
<td>Di module</td>
<td>10-10V 130k: 750-479</td>
</tr>
<tr>
<td>Ai module</td>
<td>0-20mA 12bit: 750-459</td>
</tr>
<tr>
<td>Ao module</td>
<td>4-20mA 12bit: 750-554,750-555</td>
</tr>
<tr>
<td>Ao module</td>
<td>0-10V 12bit: 750-580</td>
</tr>
<tr>
<td>Ao module</td>
<td>0-10V 12bit: 750-599</td>
</tr>
<tr>
<td>Thermistor module</td>
<td>NTC20K: 750-451/000-000</td>
</tr>
<tr>
<td>Thermistor module</td>
<td>PT1000/PT100: 750-451/000-000</td>
</tr>
<tr>
<td>Power supply</td>
<td>750-458</td>
</tr>
<tr>
<td>Modbus Communication unit</td>
<td>750-315/000-002/1300-6442 (DAIKIN custom)</td>
</tr>
<tr>
<td>Termination module</td>
<td>750-490</td>
</tr>
<tr>
<td>Power module</td>
<td>750-813</td>
</tr>
<tr>
<td>BACnet DALI module</td>
<td>750-980</td>
</tr>
</tbody>
</table>

**SVM Series Model**

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<td>SVMPR2</td>
<td>VRV Smart Phone Control System for residence</td>
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<tr>
<td>SVMPC2</td>
<td>VRV Smart Phone Remote Controller for building</td>
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<tr>
<td>SVMPST</td>
<td>Tenant Billing System with PPD</td>
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