DAIKIN

Perfecting the Air

D'Smart Solutions

Office

Hotel

Home

D'SmartOffice

OVERVIEW

D'SmartOffice series allows users to monitor and control the air conditioning system through smartphone or tablet from anywhere. This smart control system provides higher levels of comfort and convenience for occupants while also improving the efficiency at low investment cost.

Perfect for offices, retail, hospitality, education institutions and other businesses.

D'SmartOffice

HIGHLIGHTS

Energy & Cost Management

Users can easily keep track of their office's monthly energy usage through the trend graphs and reports generated. Optimise and monitor expenditure with the tenant billing function that ensures billing based on each tenant's consumption data.

Convenience

Upgrade any office building using the Scene Control function, which allows users to schedule and automatically activate multiple facilities at the same time to suit different situations. Whether a meeting or presentation, users can simply set and access a fixed preset and control their facilities with just a simple press of a button.

Time Efficiency

Conveniently control air conditioners and lights on the same floor with one controller, instead of locating each of the multiple controllers in an area. Zone Control allows users to save time and conveniently access all facilities on a floor from their fingertips.

FEATURES

Energy Consumption Monitoring

Take control of your electrical cost by monitoring usage

Smart Air-Conditioner

Control and monitor your air-conditioner with automatic notifications

Smart Lighting Control

Achieve optimal lighting with the ability to control and monitor your lights

Zone Control

Allows for greater control and customization according to every office building's needs

Tenant Billing Function

Ability to generate invoice for each tenant based on the individual energy consumption tracked

D'SmartOffice
SVMPC1

For easy installation of an air-conditioning management system for small to medium buildings

With only simple wiring, smart air-conditioning through centralised control is possible for the entire building. Daily air-conditioning operations can be automated.

Router

DTA116A51

SVMPC1

SVMPC1 FUNCTIONS

Category	Functions	Description
Basic Functions	Multi Language Support	English, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring Screen	Icons display with real-time status updates allows easy navigation and control
	Monitoring Screen (Layout)	Icons display according to the layout of building level
	Manual Operation	Manually operating is still possible
Automatic Control	Schedule	Automatic operation depending on date and time can be realized
	Interlock	Automatic operation depending on status change of management point is realized
	Scene Control	Single button controls multiple operations
	Setback Operation	Keeps room at a semi-comfortable temperature with minimum energy
Energy Saving	Setpoint Range Limitation	Prevents setpoint from being set too high/low
	Off Timer	Automatically turn off air conditioner after certain time
Data Management	Energy Graph	Energy consumption per day / month / year can be displayed in bar chart
	Trend Graph	Analog value like temperature, humidity, etc. can be displayed in line chart
	Operation History	All operation, status change and error infomation are listed with date and time
Remote Access	Smartphone access	User can access to SVMPC1 from anywhere by smartphone, tablet and PC
Access Security	Access Security	Only authorised users can access with username and password
	Device Registration	Registered device (tablet, smartphone, PC) can access through the internet
	Encrypted Data Communication	All data communication through the internet is encrypted by SSL

D'SmartOffice Touch
SVMPC1T

For easy installation of an air-conditioning management system for small to medium buildings

With only simple wiring, smart air-conditioning through centralised control is possible for the entire building. Daily air-conditioning operations can be automated.

DTA116A51

SVMPC1T

SVMPC1T FUNCTIONS

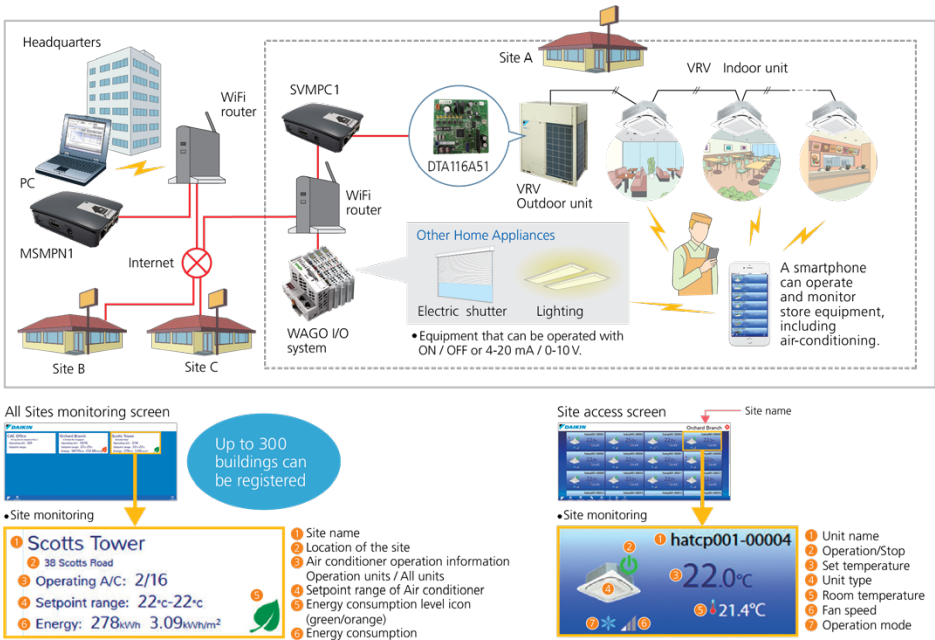| Category	Functions	Description
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Energy Saving	Setpoint Range Limitation	Prevents setpoint from being set too high/low
	Off Timer	Automatically turn off air conditioner after certain time
Data Management	Energy Graph	Energy consumption per day / month / year can be displayed in bar chart
	Trend Graph	Analog value like temperature, humidity, etc. can be displayed in line chart
	Operation History	All operation, status change and error infomation are listed with date and time
Remote Access	Smartphone access	User can access to SVMPC1T from anywhere by smartphone, tablet and PC
Access Security	Access Security	Only authorised users can access with username and password
	Device Registration	Registered device (tablet, smartphone, PC) can access through the internet
	Encrypted Data Communication	All data communication through the internet is encrypted by SSL

D'SmartOffice
Multi-Site Management System

For remote, centralised control of air-conditioning and other equipment installed at multiple buildings

Centralised control via the Internet is possible for multiple buildings at different locations.

Up to 300 buildings can be registered

● Site monitoring

Scotts Tower
❶ 38 Scotts Road
❷ Operating A/C: 2/16
❸ Setpoint range: 22℃-22℃
❹ Energy: 278kWh   3.09kWh/m²

❶ Site name
❷ Location of the site
❸ Air conditioner operation information Operation units / All units
❹ Setpoint range of Air conditioner
❺ Energy consumption level icon (green/orange)
❻ Energy consumption

Site access screen   Site name

● Site monitoring

hatcp001-00004
22.0℃
21.4℃

❶ Unit name
❷ Operation/Stop
❸ Set temperature
❹ Unit type
❺ Room temperature
❻ Fan speed
❼ Operation mode

FEATURE

· Various equipment, including air-conditioning, can be operated and monitored remotely from headquarters.

· Energy can also be monitored at each facility by connecting a watt meter.

· Only simple installation work is needed

· Malfunctions are reported automatically to the service contractor for prompt repair.

Required Equipment

At Individual Site:
· DTA116A51
  (Connection of up to 64 indoor units is possible.)
· SVMPC1
· WAGO I/O system
  (This is necessary for equipment control other than air-conditioning.)

At Headquarters:
· MSMPN1
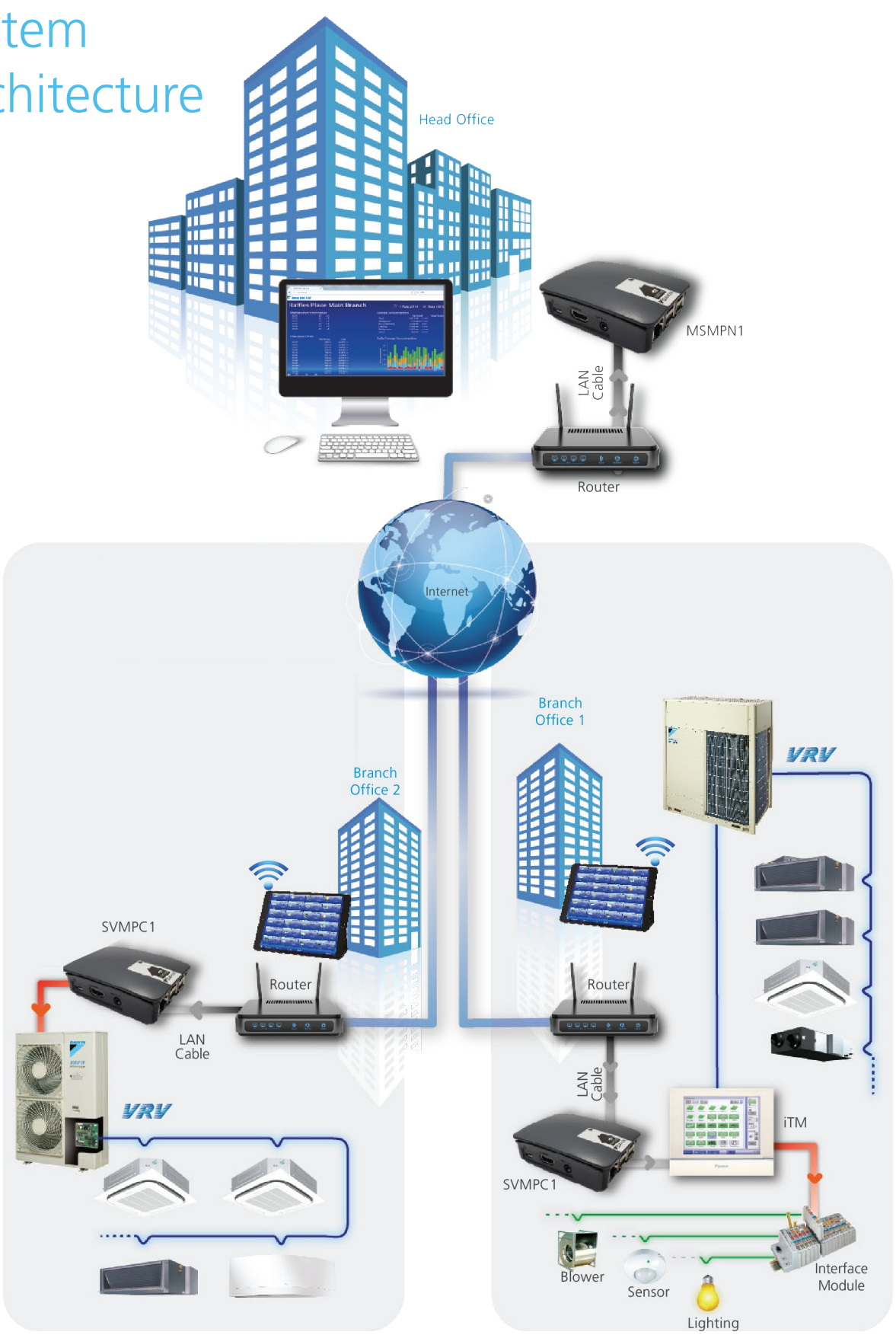 * WiFi router and Internet environment are provided by the customer.

Operating Conditions

· One MSMPN1 enables centralised control of up to 300 buildings at once.

MSMPN1 FUNCTIONS

Category	Functions	Description
Basic Functions	Multi Language Support	English, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring Screen	All site information is conveniently displayed in one screen
	Site Access	Access to site SVMPC1 on the monitoring screen and can use all functions of SVMPC1
Remote Access	Tablet Access	User can access MSMPN1 from anywhere by tablet and PC
Access Security	User Registration	Only authorized user can access MSMPN1
	Site Access Limitation	Accessible sites can be limited for each user
	Encrypted Data Communication	All data communication through the internet is encrypted by SSL

System Architecture

D'SmartHotel

OVERVIEW

D'SmartHotel series provides hotel managers with the tool to optimise comfort for guests by remotely monitoring and adjusting the room temperature to an ideal desired level before and during occupancy, hence improving guest satisfaction. This smart control system also helps to reduce electrical consumption without compromising on the comfort level and ease of control.

HIGHLIGHTS

Energy Efficiency

Save energy with Guest Room Air-Conditioner Interlock Function that is able to detect situations such as an open window in an air conditioning room. In which case, D'SmartHotel automatically switches the air conditioner off, preventing additional energy consumption costs.

Prioritising Guests' Comfort

D'SmartHotel assures comfort for guests right from the beginning of their stay by ensuring their rooms are cooled prior to their arrival.

Time Efficiency

Conveniently control air conditioners in the entire building with only one controller, instead of locating each of the multiple controllers in the area. This allows users to save time and conveniently access each and every air conditioner in the building right at their fingertips.

FEATURES

Smart Air-Conditioner

Control and monitor your air-conditioner

Guest Room Air-Conditioner Interlock

Air-conditioner automatically switches off when the windows are open, and switches back on once they are closed
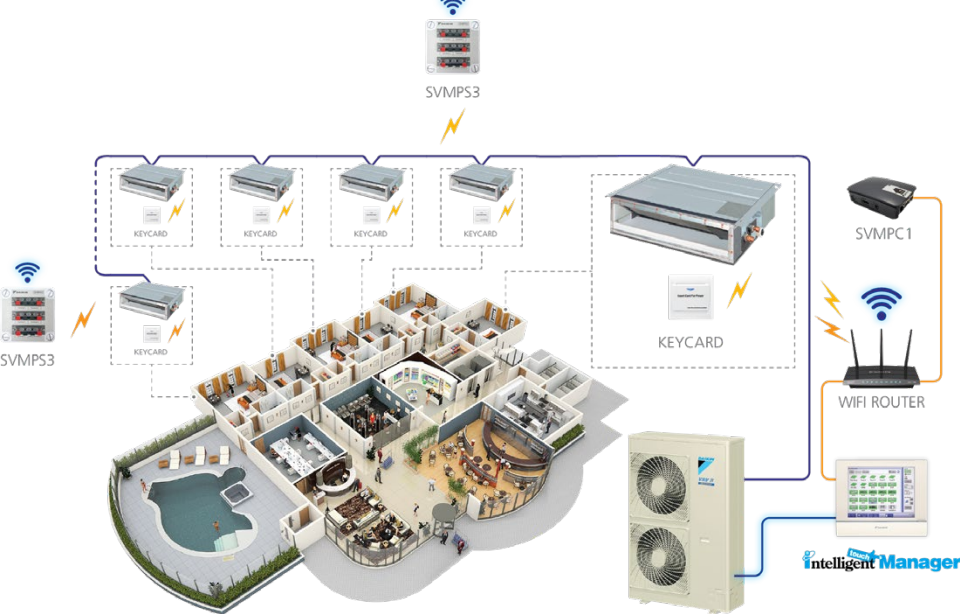
D'SmartHotel
SVMPS3

For controlling air-conditioning of each guestroom according to use by guest

Automatic air-conditioning control based on check in and out, leaving and entering rooms, and opening and closing windows.

F E A T U R E

· Only simple installation work is needed

· Simple setting realizes automatic air-conditioning control such as pre-cooling/heating at check-in, stop/setback/change setpoint when leaving

Required Equipment

· Intelligent Touch Manager
· SVMPC1
· SVMPS3 per 5 guestrooms

* Wifi router and internet environment are provided by the customer

Operating Conditions

· Control of air-conditioning for each guestroom is possible by sending the following signals to SVMPS3 by dry contact

 · Occupied/unoccupied signal
 · Window open/close signal

· The check in/out signal is sent from SVMPC1. SVMPC1 and SVMPS3 connect to LAN and communicate
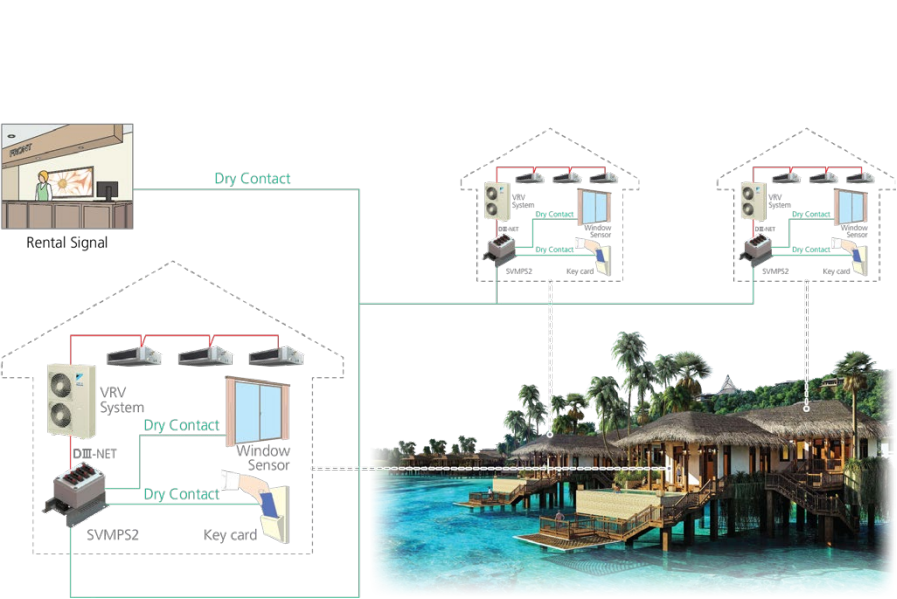
S V M P S 3   F U N C T I O N S

Category	Functions	Description
Default Setting	Setpoint	These settings are used when room is occupied
	Fan Speed	
Unrented Setting	On / Off / Setback	FCU operation can be selected after check out
	Remote Control Operation Enable/ Disable	FCU Operation from Remote Control can be enabled or disabled after check-out
Rented Setting (Before Occupied)	Setpoint	These settings are used after check in before being occupied
	Fan Speed	
Unoccupied Setting	Setpoint On / Off / Setback	Unoccupied operation status can be selected. FCU setpoint setting when 'On' is selected
	Fan Speed	Fan speed setting when setback / 'On' is selected
	Remote Control Operation Enable/ Disable	FCU Operation from Remote Control can be enabled or disabled when room is unoccupied
Window Open Setting	Off	Operation status can be selected when window is opened
		If stop is not selected, Remote Control can be used when window is opened

D'SmartResort
SVMPS2

For controlling air-conditioning of each villa according to use by guests

Automatic air-conditioning control based on check in and out, leaving and entering rooms, and opening and closing windows.

F E A T U R E

· Only simple installation work is needed

. Simple setting realizes automatic air-conditioning control such as pre-cooling/heating at check-in, stop/setback/change setpoint when leaving

Required Equipment

· SVMPS2 with built-in DTA116A51

Operating Conditions

· 1 DTA116A51 can connect up to 16 indoor units

· Control of air-conditioning for each villa is possible by sending the following signals to SVMPS2 by dry contact

 · Check in/check out signal
 · Occupied/unoccupied signal
 · Window open/close signal

S V M P S 2   F U N C T I O N S

Category	Functions	Description
Default Setting	Setpoint	These settings are used when room is occupied
	Fan Speed	
Unrented Setting	On / Off / Setback	FCU operation can be selected after check out
	Remote Control Operation Enable/ Disable	FCU Operation from Remote Control can be enabled or disabled after check-out
Rented Setting (Before Occupied)	Setpoint	These settings are used after check in before being occupied
	Fan Speed	
Unoccupied Setting	Setpoint On / Off / Setback	Unoccupied operation status can be selected. FCU setpoint setting when 'On' is selected
	Fan Speed	Fan speed setting when setback / 'On' is selected
	Remote Control Operation Enable/ Disable	FCU Operation from Remote Control can be enabled or disabled when room is unoccupied
Window Open Setting	Off	Operation status can be selected when window is opened
		If stop is not selected, Remote Control can be used when window is opened

D'SmartHome

OVERVIEW

D'SmartHome series lets home owners control and monitor Daikin air conditioners using a smartphone anywhere and even acts as a centralised remote controller inside the home.

This system is designed to enhance the comfort and convenience for homeowners, offering complete control of core functions in Daikin air conditioning systems remotely through app access.

D'SmartHome

HIGHLIGHTS

Interconnected Home

D'SmartHome allows users to link up all their smart devices and conveniently control various facilities with a simple press of a button. Enjoy a relaxing and fuss-free time at home, by letting D'SmartHome take care of little things like pre-cooling rooms or drawing curtains

Smart Security

Together with Smart Door Lock and Smart IP Camera, users can easily monitor their homes 24/7. Save the hassle of getting home in time to welcome guests or receive delivery parcels. D'SmartHome allows users to remotely unlock their Smart Door Lock and monitor visitors through the Smart IP Camera.

Safety

Be assured of a safer home, with Smart Smoke Detector and Motion Sensors. It immediately alerts its homeowner if an issue arises, allowing them to take the required action on time.

FEATURES

Smart Air-Conditioner

Control and monitor your air-conditioner with automatic notifications

Surveillance Camera

Keep your home safe by monitoring it anytime, anywhere

Smart Digital Lock

Lock and unlock doors remotely anytime and anywhere

Smart Lighting Control

Achieve optimal lighting with the ability to control and monitor your lights

Energy Consumption Monitoring

Take control of your electrical cost by monitoring usage

Smart Electronical Plugs

Conveniently control electrical appliances in the space, such as an air purifier.

Smoke Detector

Sends an alert when smoke is detected

Door & Window Security Sensor

Notified when the door/ window is opened or closed

Motorised Curtain

Automate your curtains for greater convenience

Voice Assistant

A personal assistant who will perform tasks on command

*Only Smart Air-Conditioner feature available for D'SmartHome AC, other features not applicable

D'SmartHome
SVMPH1

When a VRV system is installed at your home

You can easily monitor and control the air-conditioner from anywhere with your smartphone.

Router
LAN Cable
SVMPH1
DTA116A51
VRV

· Only simple installation work is needed

· Malfunctions are reported automatically to the service contractor for prompt repair.

Required Equipment

· DTA116A51
· SVMPH1

*Wifi router and internet environment are provided by the customer

Operating Conditions

· SVMPH1 with 1 DTA116A51 can connect up to 64 VRV / SA indoor units

* Residential indoor units require BRP072C42 to connect D'SmartHome

GET IT ON Google Play
Download on the App Store

SVMPH1 FUNCTIONS

Category	Functions	Description
Basic Functions	Multi Language Support	English, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring Screen	Icons display with real-time status updates allows easy navigation and control
	Manual Operation	Manually operating is still possible
Automatic Control	Schedule	Automatic operation depending on date and time can be realized
	Interlock	Automatic operation depending on status change of management point is realized
	Scene Control	Single button controls multiple operations
Energy Saving	Off Timer	Automatically turn off air conditioner after certain time
Data Management	Energy Graph	Electricity consumption per day / month / year can be displayed in bar chart
Remote Access	Smartphone Access	User can access to SVMPH1 from anywhere by smartphone, tablet and PC
Access Security	User Login	Username and password required to log in
	Device Registration	Registered device (tablet, smartphone) can access through the internet

Connectable Devices	Air-Conditioner, Lighting, IP Camera, Smart Lock, Smart Plugs, Motorised Curtains, Voice Assistant (Google Home), Sensors, Alarms, Smoke Detector

D'SmartHome AC
SVMPR1

When a VRV system is installed at your home

You can easily monitor and control the air-conditioner from anywhere with your smartphone.

Router
LAN Cable
SVMPR1
DTA116A51
VRV

· Only simple installation work is needed

· Malfunctions are reported automatically to the service contractor for prompt repair.

Required Equipment

· DTA116A51
· SVMPR1

*Wifi router and internet environment are provided by the customer

Operating Conditions

· SVMPR1 with 1 DTA116A51 can connect up to 32 VRV / SA indoor units

GET IT ON Google Play
Download on the App Store

SVMPR1 FUNCTIONS

Category	Functions	Description
Basic Functions	Multi Language Support	English, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring Screen	Icons display with real-time status updates allows easy navigation and control
	Manual Operation	Manually operating is still possible
Automatic Control	Scene Control	Single button controls multiple operations
Energy Saving	Off Timer	Automatically turn off air conditioner after certain time
Remote Access	Smartphone Access	User can access to SVMPR1 from anywhere by smartphone, tablet and PC
Access Security	User Login	Username and password required to log in
	Device Registration	Registered device (tablet, smartphone) can access through the internet

Connectable Devices	Air-Conditioner only

PRODUCT OVERVIEW

Category	Functions	Device				
		D'SmartOffice	D'SmartOffice Touch	Multi-Site Management System	D'SmartHome	D'SmartHome AC
		SVMPC1	SVMPC1T	MSMPN1	SVMPH1	SVMPR1
Status Monitoring	Operation Status (On/Off)	✓	✓	✓	✓	✓
	Operation Mode (Cool/Heat/Fan/Dry/Auto)	✓	✓	✓	✓	✓
	Setpoint	✓	✓	✓	✓	✓
	Fan Speed	✓	✓	✓	✓	✓
	Air-flow Direction	✓	✓	✓	✓	✓
	Error Notification	✓	✓	✓	✓	✓
	Error Code	✓	✓	✓	✓	✓
	Filter Sign	✓	✓	✓		✓ ^
	Room Temperature Information	✓	✓	✓	✓	✓
	Sensor Information	✓	✓	✓	✓	
	Light Dimming	✓ *	✓ *	✓	✓	
	Door Lock				✓	
	Video				✓	
Manual Operation	On/off	✓	✓	✓	✓	✓
	Setpoint	✓	✓	✓	✓	✓
	Operation Mode	✓	✓	✓	✓	✓
	Fan Speed	✓	✓	✓	✓	✓
	Air-flow Direction	✓	✓	✓	✓	✓
	Dimming	✓ *	✓ *	✓	✓	
	Lock/Unlock				✓	
	Shutter Open/Close				✓	
	Filter Sign Clear	✓	✓			

* D'SmartOffice and D'SmartOffice Touch can monitor and control lighting only if Wago system is installed together with SVMPC1/SVMPC1T
^ Not applicable for app version

DEVICE SETTING LISTING

Category	Functions	Device			
		D'SmartOffice	D'SmartOffice Touch	D'SmartHome	D'SmartHome AC
		SVMPC1	SVMPC1T	SVMPH1	SVMPR1
Automatic Control	Off Timer	✓	✓	✓	✓
	Setpoint Range Limitation	✓	✓		
	Setback Operation	✓	✓		
	Schedule	✓	✓	✓	
	Interlock	✓	✓	✓	
	Scene control	✓	✓	✓	✓
Data Management	Ambient Trend Report (includes Temperature, Humidity, CO_2 Levels)	✓	✓		
	Energy Graph: Electricity / Water Consumption Graph	✓	✓	Electricity only	
	Tenant Billing	✓ *			
	Operation Report	✓	✓		
	Malfunction Report	✓	✓		
System Setting/ Display	User Registration, Password Setting, Network Setting	✓	✓	✓	✓
	Indoor Unit Name & Icon Setting	✓	✓	✓	✓
	Multi-Language setting: English, Spanish, Portuguese, Thai, Vietnamese, Simplified Chinese, Traditional Chinese	✓	✓	✓	✓
	Group Screen: Number of operating FCU shown on screen. FCU can be in multiple groups	✓	✓	✓	✓
	Layout Screen: Custom image for each group and main screen. Touch screen gestures to zoom and pan	✓	✓		
Access Security	User Login (Username, Password)	✓	✓	✓	✓
	Device Account Registration	✓	✓	✓	✓
Others	Remote Software Updates: Connection to internet required.	✓	✓	✓	✓
	Trouble Shooting: Error History; System Reset	✓	✓	✓	

* Tenant Billing is applicable to D'SmartOffice when iTM is installed together with SVMPC1

SYSTEM RESUME

Device		Maximum Indoor Unit Connection	Interface and Quantity required
D'SmartOffice	SVMPC1	64 Indoor Units 2560 Indoor Units*	DTA116A51 X 1 iTM X 5*
D'SmartOffice Touch	SVMPC1T	64 Indoor Units	DTA116A51 X 1
Multi-Site Management System	MSMPN1	300 Sites	
D'SmartHotel	SVMPS3	16 Indoor Units	SVMPS3 x 1 (per 5 rooms) SVMPC1 x 1
D'SmartResort	SVMPS2	16 Indoor Units	DTA116A51 (built-in) x 1
D'SmartHome	SVMPH1	64 Indoor Units	DTA116A51 X 1
D'SmartHome AC	SVMPR1	32 Indoor Units	DTA116A51 X 1

* For AC connection up to 64 Indoor Units, D'SmartOffice can use DTA116A51. For AC connection more than 64 units, iTM should be connected to instead.

Notes

DAIKIN

Perfecting the Air

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