

**DAIKIN**



Madoka



reddot design award

# Hello Madoka.

The beauty of simplicity

**Japanese for circle, Madoka embodies gentleness and peace.** Madoka echoes the distinct blue circle and simplicity of design, which is the very reason why its sleek and elegant look has won such praise, including the Red Dot Product Design Award and iF Design Award.

**Madoka guarantees your comfort** in the most intuitive way imaginable, featuring just three buttons and a large-figure display.

# 3 Colours



reddot design award

Available in three attractive colours, Madoka adds style and class to any interior space.

Measuring just 85 x 85 mm, Madoka is extremely compact and will become a fluid part of any background.

**White**  
RAL 9003 (glossy)



**Silver**  
RAL 9006 (metallic)



**Black**  
RAL 9005 (matt)



# Sleek design

Madoka combines refinement and simplicity.

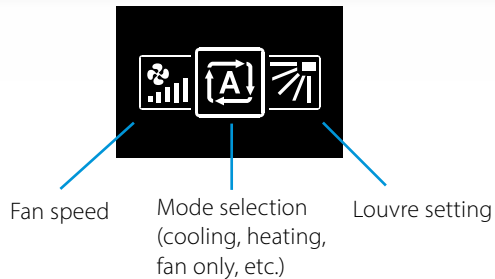
The intuitive touch button control enlarges the display and makes Madoka both easy and enjoyable to use.

Much like the perfection that the Japanese name evokes, Madoka gives you perfect control over your individual climate.





Easy and direct access  
to main functions



# User-friendly interface



 **Bluetooth®**



# Madoka Assistant



Simplifies the advanced settings such as schedule or set point limitation

- ✓ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- ✓ Easy and quick commissioning, saves time and cost for installers
- ✓ Featuring Bluetooth® low energy technology

**Easy setting  
of schedules**



**Advanced  
user settings**



**Installer  
settings**



**Field  
settings**



# Hotel



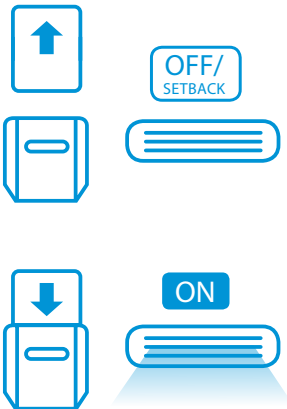




## Intuitive climate control in hotel rooms

Using the simple display, hotel guests can easily set their comfort to their preference.

Optional key card connection and set point restriction guard against misuse and energy wastage, so you can keep costs down.



“Outside home,  
the office is where  
we spend most of our time.  
That’s where climate control  
also comes into play.”

# Office



# Ahead of the curve

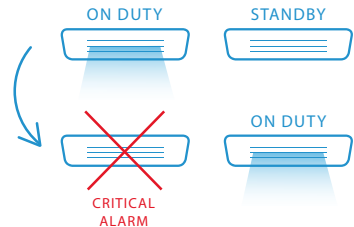
For offices the Madoka Assistant offers a simple answer to changing office layouts, by enabling fast and easy system configuration and schedule setting through your smartphone.

## Cost-effective infrastructure cooling solution

Madoka also offers a cost-effective solution for server rooms as it comes with standard integrated functions such as duty rotation and back-up operation.

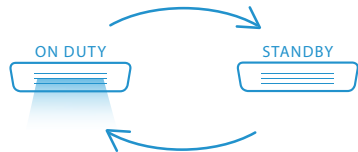
### Back-up operation

If one unit fails the other one will automatically take over.



### Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime.



Rotation interval can be set for 6, 12, 24, 72 and 96 hours, as well as weekly.

## Add class to even the most stylish rooms

Madoka is like a design element of your interior, blending in stylishly and unobtrusively.

It makes scheduling simple, enables you to track your energy usage and activate extra energy saving functions.

All this can be done by smartphone from the comfort of your sofa, within Bluetooth® range of Madoka.





Residential

# Features

- › Sleek and elegant design
- › Intuitive touch-button control
- › Two display options: standard and detailed
- › Direct access to basic functions (on/off, set point, mode, target values, fan speed, louvres, filter icon & reset (4), error & code)
- › Three colours to match any interior
- › Compact, measures only 85 x 85 mm
- › Advanced settings and commissioning via smartphone

## Hotel application features

- › A significant energy saving can be achieved by using the key card and/or window contact integration and a set point restriction. (through the BRP7A\* option)
- › Ensures the room cannot heat up above or cool down below a set temperature in order to maintain a minimum level of comfort.

## A cost-effective solution for cooling data centres and servers

- › Only in combination with RZAG\*/RZQG\*
- › Duty rotation: After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime. Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.
- › Back-up operation: If one unit fails, the other unit will start automatically.



# Set up all advanced settings on your smartphone



## A range of energy-saving functions that can be selected individually

- › Temperature range restriction
- › Setback function
- › Adjustable presence detector and floor sensor  
(available on the Round Flow and Fully Flat Cassettes)
- › Automatic temperature reset (4)
- › Auto off timer

## Temperature range restriction means no excessive heating/cooling

- › Save on energy by setting the low-temperature limit in cooling mode and the high-temperature limit in heating mode. (1)

## Kilowatt-hour consumption tracking (2)

- › The kWh indicator displays indicative power consumption for the last day/month/year. (4)

## Other functions

- › Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season) (4)
- › Menu settings can be individually locked or restricted (4)
- › The outdoor unit (3) can be set to quiet mode (4)
- › Real-time clock that updates automatically for daylight saving

(1) Also available in auto cooling/heating changeover mode

(2) For Sky Air FBA, FCAG and FCAHG pair combinations only

(3) Only available on RZAG\*, RZASG\*, RZQG\*, RZQSG\*

(4) Feature will become available with future app updates from the second half of 2018 onwards.

# Technical specifications



Casing	Colour		W = White (RAL 9003 (glossy)) S = Silver (RAL 9006 (metallic)) K = Black (RAL 9005 (matt))
	LED operation	Colour	Blue status indicator
Dimensions	Unit	Height x Width x Depth	mm
Weight	Unit		kg
LCD	Back light	Colour	White
Maximum number of connectable indoor units			1 group (up to 16 indoor units)
Wiring connections	For connection with indoor		P1-P2 wired connection from indoor unit
	Size	mm <sup>2</sup>	0.75 ~ 1.25
Ambient temperature	Operation		Min.~Max. -10 ~ 50 °C
	Relative humidity		< 95%
	Storage		Min.~Max. -20 ~ 70 °C
Back-up for power failure			Yes - clock stays synchronised for up to 48 hours.
Bluetooth® wireless technology	Protocol		Bluetooth® low energy 4.2 or higher
App for advanced settings			Madoka Assistant
App operation system			Apple iOS 8.0 or higher, Android 5.0 or higher

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