

Installer and user reference guide

Daikin Home Controls Access Point



Package contents

Quantity	Description
1	Daikin Home Controls Access Point
1	Plug-in mains adapter
1	Network cable 1,5 m
2	Screws
2	Plugs
1	Installation and operation manual

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1 Information about this manual

Read this manual carefully before beginning operation with your Daikin Home Controls (DHC) accessories. Keep the manual so you can refer to it at a later date if you need to. If you hand over the accessory to other persons for use, hand over this manual as well.

Symbols used:



Attention!

This indicates a hazard.



Please note:

This section contains important additional information.

2 Hazard information



We do not assume any liability for damage to property or personal injury caused by improper use or the failure to observe the hazard information. In such cases any claim under warranty is extinguished! For consequential damages, we assume no liability!



Do not use the accessory if there are signs of damage to the housing, control elements or connecting sockets, for example, or if it demonstrates a malfunction. If you have any doubts, please have the accessory checked by an expert.



Do not open the accessory. It does not contain any parts that can be maintained by the user. In the event of an error, have the accessory checked by an expert.



For safety and licensing reasons (CE), unauthorized change and/or modification of the accessory is not permitted.



The accessory may only be operated indoors and must be protected from the effects of moisture, vibrations, solar or other types of heat radiation, cold and mechanical loads.



The accessory is not a toy; do not allow children to play with it. Do not leave packaging material lying around. Plastic films/bags, pieces of polystyrene, etc. can be dangerous in the hands of a child.



For power supply, only use the original power supply unit (5 VDC/550 mA) delivered with the accessory.



The accessory may only be connected to an easily accessible power socket outlet. The mains plug must be pulled out if a hazard occurs.



Always lay cables in such a way that they do not become a risk to people and domestic animals.



The accessory may only be operated within residential buildings.



Using the accessory for any purpose other than that described in this operating manual does not fall within the scope of intended use and shall invalidate any warranty or liability.



Always keep a minimum distance of 50 cm between the DHC accessories.

3 Daikin Home Controls

This accessory is part of the DHC ecosystem and communicates with a dedicated wireless connection.

All accessories of the system can be configured comfortably and individually via the ONECTA app. The available functions provided by the DHC ecosystem in combination with other accessories are described in the DHC Application Guide.

All current technical documents and updates can be found on the product pages:

<https://qr.daikin.eu/?N=EKRACPUR1PA>

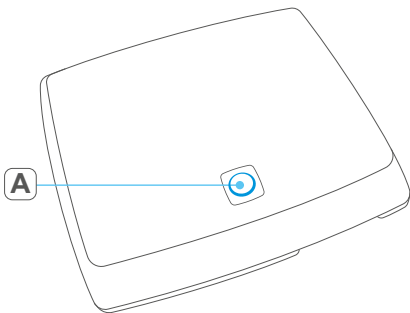


4 Function and accessory overview

The DHC Access Point connects your smartphone via the ONECTA cloud with all DHC accessories. It transmits configuration and operating commands from the app to the DHC accessories. You can simply adjust your DHC ecosystem to your personal needs at any time and place.

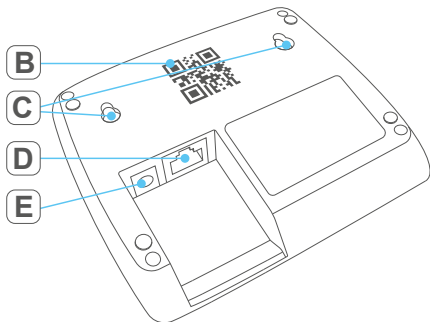
Accessory overview

Front



(A) System button and LED

Back



- (B) QR code and device number (SGTIN)
- (C) Screw holes
- (D) Interface: Network cable
- (E) Interface: Plug-in mains adapter

5 Start-up

5.1 Mounting

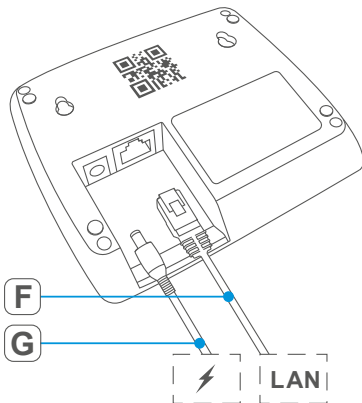
You can either fix the DHC Access Point to a wall or put it down on a flat surface.

1. Place the DHC Access Point close to your router and a socket.



Always keep a minimum distance of 50 cm between the DHC Access Point and your WLAN router.

2. (Optional) Fix the DHC Access Point to the wall:
 - a. Use a pen to mark the positions of the screw holes **(C)** on the wall.
 - b. Use an appropriate drill to make the holes.
 - c. Use the supplied screws and plugs to fix the DHC Access Point.
3. Connect the DHC Access Point with the router using the supplied network cable **(F)**.
4. Provide power supply for the accessory using the supplied plug-in mains adapter **(G)**.



5.2 Setting up the DHC Access Point



Your Daikin Altherma unit needs to be set up before you start setting up the DHC Access Point.



The ONECTA app is available for iOS and Android and can be downloaded for free in the corresponding app stores.

1. Download and install the ONECTA app.
2. Open the ONECTA app.
3. Check if your Daikin Altherma unit is visible in the app. If it is not visible, add it first:
 - a. Click on the plus symbol (+).
 - b. Select **Add a device**.
 - c. Follow the instructions in the app.
4. Click on the plus symbol (+).
5. Select the menu item **Add Daikin Home Controls**.
6. Select **Access Point**.
7. Follow the instructions in the app.

5.3 Connecting further DHC accessories

As soon as your DHC Access Point and the ONECTA app are ready for use, you can connect additional DHC accessories and allocate them to different rooms.

1. Open the ONECTA app.
2. Click on the plus symbol (+).
3. Select the menu item **Add Daikin Home Controls**.
4. Select **Add DHC Accessory**.
5. Establish the power supply of the accessory you want to connect. For further information, see the manual of the corresponding accessory.
6. Follow the instructions in the app.



Define the accessory names carefully in order to avoid assignment errors when using various accessories of the same type. You can change the accessory and room names at any time.

5.4 Operation and configuration

After you have connected your DHC accessories and allocated them to rooms, you can comfortably control and configure your DHC ecosystem.

For further information, see the DHC Application Guide.

6 Troubleshooting

6.1 Duty cycle

The wireless DHC accessories operate in the following frequency bands:

- 868,000~868,600 MHz
- 869,400~869,650 MHz

In order to safeguard operation of all devices working in this range, it is legally required to limit the transmission time of devices. Limiting the transmission time minimizes the risk of interference.

The 'duty cycle' is the maximum transmission time. It is the ratio of the time that a device is actively transmitting in comparison to the measurement period (1 hour), and is expressed as a percentage of 1 hour.

If the total amount of allowed transmission time is reached, the DHC accessory will stop transmitting until the time limit

is reached.

For example, when a device has a duty cycle limit of 1%, it is only allowed to transmit 36 seconds in 1 hour. After this, it will stop transmitting until the 1 hour limit is reached.

DHC accessories fully comply to this limitation and use 2 frequency bands with a duty cycle of respectively 1 % and 10%.

During normal operation of the DHC accessories, this limit is not usually reached. However it is possible that the limit is reached during start-up or during a fresh installation of a system. In this case, the LED of the accessory lights up red. It may be non-responsive for a short period (max. 1 hour), until the time restriction for transmission has expired. After this period, it will operate normal again.

6.2 Error codes and flashing sequences

Flashing code	Meaning	Solution
Permanent orange lighting	DHC Access Point is starting	Wait and observe the subsequent flashing behaviour.
Fast blue flashing	Connection to the server is being established	Wait until the connection is established and the LED lights permanently blue.
Permanent blue lighting	Normal operation, connection to server is established	Continue the operation.
Fast yellow flashing	No connection to network or router	Connect the DHC Access Point to the network/router.
Permanent yellow lighting	No internet connection	Check the internet connection and firewall settings.
Alternately long and short orange flashing	Update in progress	Wait until the update has been completed

Flashing code	Meaning	Solution
Fast red flashing	Error during update	Check the server and internet connection. Restart the DHC Access Point.
Fast orange flashing	Stage before restoring the factory settings	Long press the system button again for 4 seconds, until the LED lights up green.
1x long green lighting	Reset confirmed	Continue the operation.
1x long red lighting	Reset failed	Try again.

7 Restoring factory settings

The factory settings of your DHC Access Point as well as of your entire installation can be restored.

- **Resetting the DHC Access Point:** Only the factory settings of the DHC Access Point will be restored. The entire installation will not be deleted.
- **Resetting and deleting the entire installation:** The entire installation is removed. The factory settings of your individual DHC accessories have to be restored so they can be connected again. For further information on how to do so, see the manual of the respective DHC accessory.

7.1 Resetting the DHC Access Point

To restore the factory settings of the DHC Access Point, proceed as follows:

1. Disconnect the DHC Access Point from the power supply by unplugging the mains adapter.
2. Press the system button and plug in the mains adapter again at the same time, until the LED starts flashing orange.
3. Release the system button.
4. Press the system button again, until the LED lights up green. If the LED lights up red, try again.
5. Release the system button to finish the procedure.
 - » The accessory will perform a restart and the DHC Access Point is being reset.

7.2 Resetting and deleting the entire installation



During the reset, the DHC Access Point must be connected to the cloud so that all data can be deleted. This means that the network cable must be plugged in during the process and the LED must light up blue continuously.

To reset the factory settings of the entire installation, the DHC Access Point must be reset twice in succession, within 5 minutes:

1. Reset the DHC Access Point as previously described.
 2. Wait at least 10 seconds until the LED permanently lights up blue.
 3. Immediately afterwards, perform the reset for the second time by disconnecting the DHC Access Point from the power supply again and repeating the necessary steps.
- » After the second restart, your system will be reset.



If the DHC Access Point is still visible in the app (status offline), you have to manually remove it.

To do so, proceed as follows:

1. Click on the plus symbol (+).
2. Select the menu item **Add Daikin Home Controls**.
3. Check if your DHC Access Point is in the list.

4. Select **Remove**.
 - » Your DHC Access Point has been removed from the app.

8 Maintenance and cleaning



The accessory does not require you to carry out any maintenance. Enlist the help of an expert to carry out any repairs.

Clean the accessory using a soft, lint-free cloth that is clean and dry. You may dampen the cloth a little with lukewarm water in order to remove more stubborn marks. Do not use any detergents containing solvents, as they could corrode the plastic housing and label.

9 General information about radio operation

Radio transmission is performed on a non-exclusive transmission path, which means that there is a possibility of interference occurring. Interference can also be caused by switching operations, electrical motors or defective electrical devices.



The range of transmission within buildings can differ greatly from that available in the open air. Besides the transmitting power and the reception characteristics of the receiver, environmental factors such as humidity in the vicinity have an important role to play, as do on-site structural/screening conditions.

Hereby, Daikin Europe N.V. declares that the radio equipment type DHC EKRACPUR1PA is in compliance with the Directive 2014/53/EU. The original declaration of conformity is available from the EKRACPUR1PA product pages.

<https://qr.daikin.eu/?N=EKRACPUR1PA>



10 Technical specifications

Device name:	EKRACPUR1PA
Supply voltage	
Plug-in mains adapter (input):	100 V-240 V/50 Hz
Power consumption	
plug-in mains adapter:	2.5 W max.
Supply voltage:	5 VDC
Current consumption:	500 mA max.
Standby	
power consumption:	1.1 W
Degree of protection:	IP20
Ambient temperature:	5 to 35 °C
Dimensions (W x H x D):	118 x 104 x 26 mm
Weight:	153 g
Radio frequency band:	
F1:	868.0-868.6 MHz
F2:	869.4-869.65 MHz
Maxium radiated power:	10 dBm max.
Receiver category:	SRD category 2
Typ. open area RF range:	400 m
Duty cycle:	
F1:	< 1 % per h
F2:	< 10 % per h
Network:	10/100 MBit/s, Auto-MDIX

Subject to technical changes.

Instructions for disposal



Do not dispose of the device with regular domestic waste! Electronic equipment must be disposed of at local collection points for waste electronic equipment in compliance with the Waste Electrical and Electronic Equipment Directive.

Information about conformity



The CE sign is a free trading sign addressed exclusively to the authorities and does not include any warranty of any properties.



For technical support, contact your specialist dealer.

Free download of the ONECTA app!



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