

AC Cloud Control

Installation Sheet INWFIDAI001R0XX



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1 Safety instructions

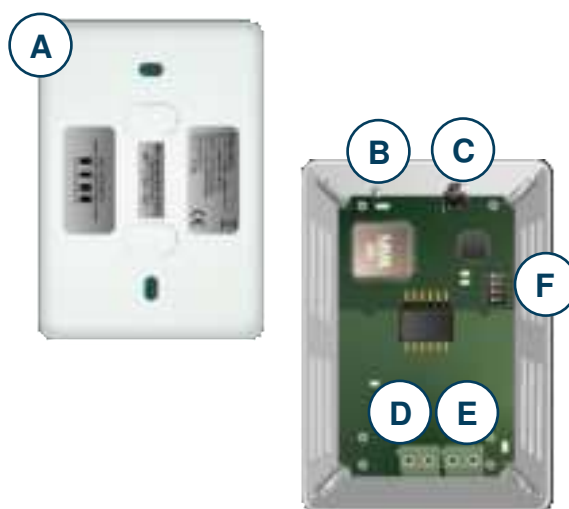
WARNING

Follow carefully this safety and installation instructions. Improper work may lead to serious harmful for your health and may damage seriously the interface and/or the AC indoor unit.

- This interface must be installed by accredited technical personnel (electrician, installer or authorized technical personnel) and following all the safety instructions.
- This interface must only be installed in a restricted access location.
- Before manipulating the AC indoor unit be sure it is completely disconnected from Mains power.
- In case of installation of the interface inside the AC indoor unit, fix the interface and communication cables preferably to any appropriate point of the plastic cover of the unit taking care of no blocking free movement of mobile parts and as far as possible from tubes containing liquids and power cables.

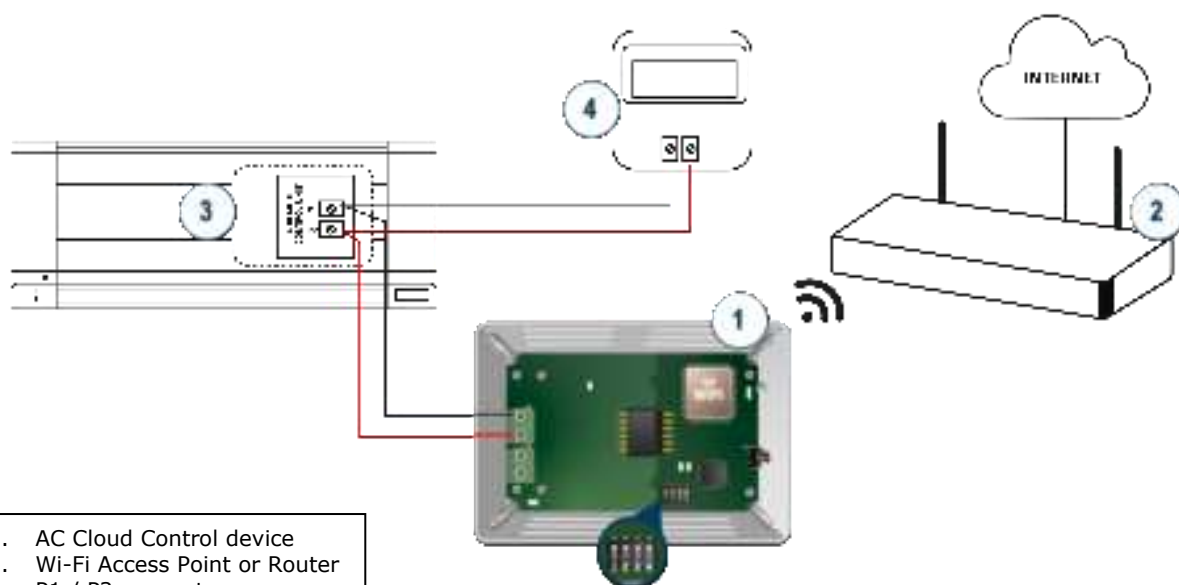
2 Device information

- A. Lid
- B. LED indicator
- C. Push button
- D. AC connector
- E. External Power Supply Connector
- F. DIP-Switch



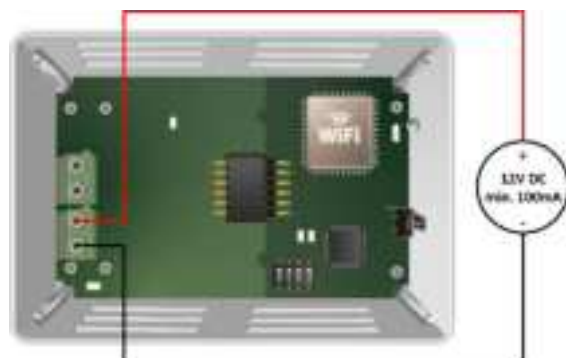
3 Device connection

- Unplug the Air Conditioner (AC) unit from mains.
- Access to the main Printed Circuit Board.
- Locate the P1 / P2 socket connector.
- Select a location for the device.
- Connect the AC Cloud Control device to the Air Conditioner.
- Close the Air Conditioner unit.
- Plug the AC to the power supply line



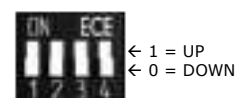
1. AC Cloud Control device
2. Wi-Fi Access Point or Router
3. P1 / P2 connector
4. Remote Controller (RC)

4 External powering scheme



Important: If a wired remote controller of the AC manufacturer is connected in the same bus, communication may shut down. In case it happens, use an external power supply connected to the PS connector in our device to overcome this situation.
Connect a NEC Class 2 or Limited Power Source (LPS) and SELV rated power supply to the device, respect the polarity. Apply always a voltage within the range admitted and of enough power (12V DC, min. 100 mA).

5 Switch configuration



Please, make sure that switches are placed in the right position as per your desired settings.

Switches 1 2 3 4	Description
1 X X X	Master-DK BRC Controller not needed in P1 P2 bus. If it exists, it must be configured as Slave
0 X X X	Slave-A DK BRC Controller must be present in P1 P2 bus configured as Master (Default value)
X 1 X X	Daikin Remote Controller ambient temperature reading
X 0 X X	Daikin Indoor Unit ambient temperature reading (Default value)
X X 1 X	High Performance Mode (Default value)
X X 0 X	Low Power Mode
X X X 1	Max WIFI power (Default value)
X X X 0	WIFI power is limited

Switch 1

If your device is setup as **Master** (SW1-OFF), it will always show the temperature measured by the Daikin Indoor Unit.
 If your device is setup as **Slave** (SW1-ON):

- If SW2 is OFF, then AC Cloud Control will show the temperature measured by the Daikin indoor unit.
- If SW2 is ON, then AC Cloud Control will show the temperature measured by the Daikin remote controller.

Switch 3

This switch determines the performance of the device. Running in High Performance Mode means maximum consumption and maximum device performance.

Switch 4

This switch determines the Wi-Fi range of the device. Maximum range is set by default. Consider that changing this switch may affect to device Wi-Fi communication, happening a device in a running installation not to reach the current access point or Wi-Fi network to which is connected.

In case no external supply is used: In very specific installations, AC port consumption may be overpassed, leading the device to reboot. If that happened, decrease device consumption by using SW3 and SW4.

NOTE: Remember that you need to power cycle the climate system or the AC Cloud Control device for the changes in the switches to be applied.