

HITACHI

NFC NEW Color Controller

PC-ARFG2-E(B)



Simplicity, style and connectivity

This new controller represents a significant advance in terms of thermal comfort, energy savings and ergonomics for commercial use.

Cooling & Heating



Exclusive NFC function & airCloud Tap application



Available on the
App Store

ANDROID APP ON
Google Play

air



A printed design

Featuring a 4.3-inch color screen and high-end aesthetics, the controller meets the challenge of combining a **sophisticated look** with **ease of use**. The curved screen is elegantly shaped, providing better access to the buttons for users.

EUROPEAN
PRODUCT
DESIGN
AWARD



reddot winner 2021



DESIGN
AWARD
2021



Discover
the new NFC function
and airCloud Tap
application

Key functions

- ✓ Master-slave control of 1 to 16 indoor units,
- ✓ Simple and ergonomic interface,
- ✓ Color display and pictograms for an optimum experience,
- ✓ Integrated room sensor,
- ✓ Unique comfort-oriented features,
- ✓ Monitoring of energy consumption and savings.

New features

- ✓ An NFC function for configuring the installation twice as quickly,
- ✓ Rotation and backup function (redundancy) for server rooms,
- ✓ New change-over system for 2-pipe DRV's.



Tertiary



Industry

A controller as simple as air

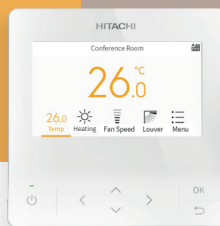
Ergonomics for the end customer



Cooling mode



Dehumidification mode



Heating mode



Auto mode



Ventilation mode

Color, visuals and clear text!

Life is much simpler and more pleasant in color. This is the concept underlying the new PC-ARFG2-E(B) controller. With a **color for each mode**, unit status can be visualized quickly.



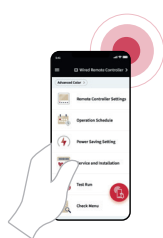
Displaying and monitoring consumption



Weekly programming

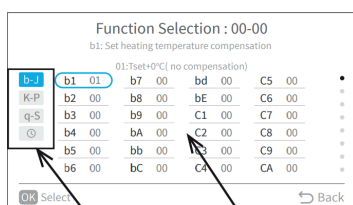


Ergonomics for the installer



airCloud Tap application (NFC function)

NEW: Collect, copy and past information on the controller with the help of your smartphone. This will enable you to configure every unit on the site in record time. Create each of your typical configurations (retail, hotel, office, ...) on the application and send it with a single action during startup.



Type tab

List area

140 functions available

Each function is displayed in a detailed manner. This enables units to be programmed with the need to read the manual.



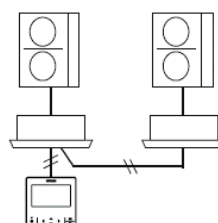
Test mode

This mode makes it possible to validate startup by automatically launching various test modes (heating, air conditioning, ...)

A mode dedicated to hotels

Simplified menu

The hotel mode enables you to restrict the functions of the controller. Customers only have access to functions that are useful to them (mode, temperature, language selection). Hotel staff can reset the settings with a single click for the next guest.



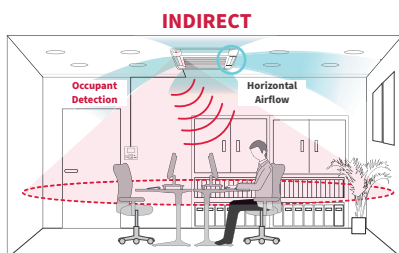
Turnkey redundancy function (rescue and rotation)

NEW: Connect 1 controller to two two refrigeration systems assigned to the same premises. These two systems will operate alternately, with the second system taking over in the event of a fault in the first unit.

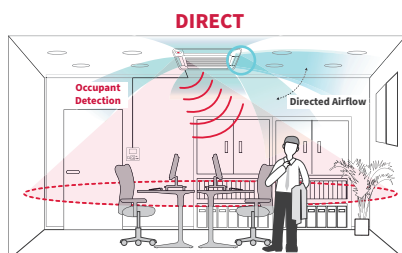
Thermal comfort is priceless!

AirFlowControl

This directs the airflow in accordance with the number of occupants.



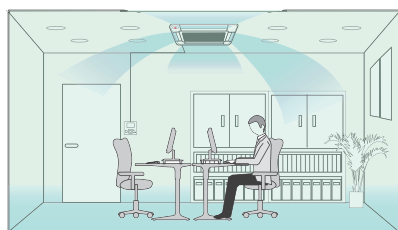
Occupant detection and horizontal air discharge to avoid direct air discharge



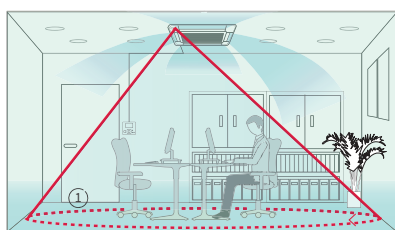
Detects occupants and blows air directly onto them. This airflow is directed by the dampers on the unit.

FloorSense (cold) and FeetWarm (hot)

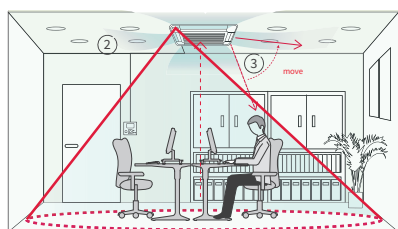
This achieves a uniform temperature throughout the room.



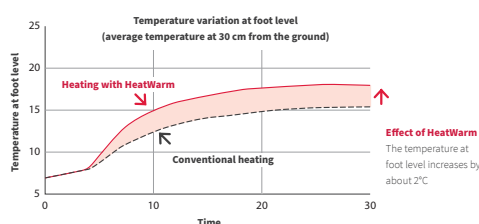
After a certain length of time in operation, some areas of the room may be too cold or too hot.



The sensor analyzes and detects temperature disparities.

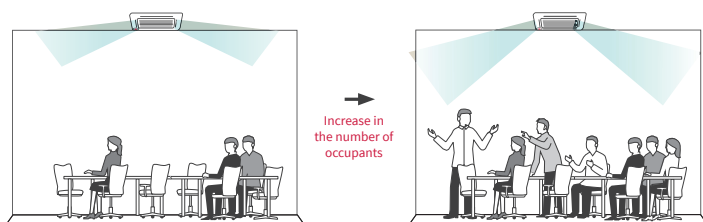


The unit directs the supply air dampers and prevents lamination of the airflow.



CrowdSense

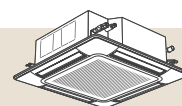
To anticipate summer overheating caused by occupants.



Our exclusive features without fail...

- **Gentle Cool**: anti-cold airflow in cooling mode for optimum comfort in summer.
- **Frostwash**: self-cleaning of indoor unit heat exchanger for optimum air quality.

Functions compatible with:



RCI-FSR(1)
+ P-AP160NAE2



PC-ARFG2-E(B)

Would you like to have the air blown directly onto you, or do you prefer not to feel any drafts? You now have a choice thanks to **AirFlowControl**.

The functions of **FloorSense** and **FeetWarm** use the radiant sensor and motorized dampers on the indoor unit to analyze and combat lamination of the airflow. These functions deliver uniform temperature distribution and maximum comfort for occupants.

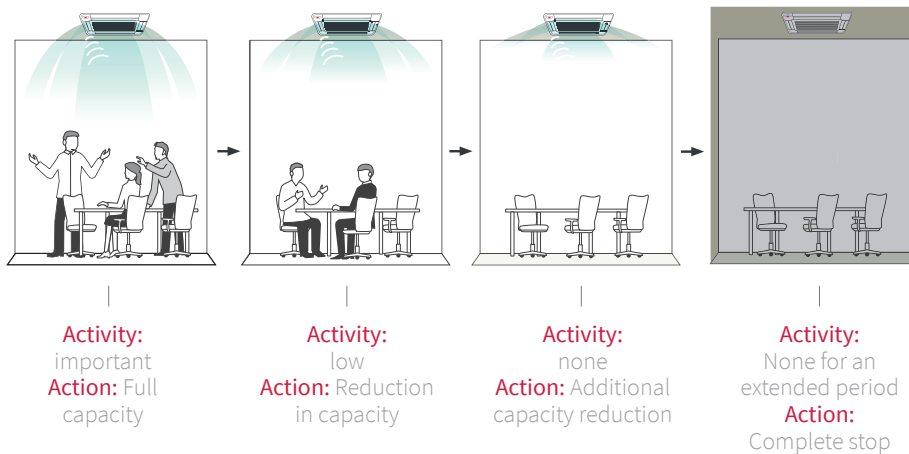
CrowdSense is a smart function that is very useful for meeting rooms, museums, restaurants or other places where the number of occupants changes quickly. Combined with the indoor unit's motion sensor, this function detects the number of people in the room and anticipates power requirements to avoid overheating in summer.

In winter, smart control slightly reduces power in proportion to the human heat in the room to ensure a constant temperature.

Turnkey power economies

This new controller has functions that make it possible to **track and optimize system energy consumption** without detracting from comfort. In this way, the user can activate the **ECO** mode which limits the power of the external group (activated continuously or on a weekly schedule). It also features the smart **Auto-Save** function which analyzes activity in the room and then reacts accordingly.

AutoSave function for meeting rooms and offices

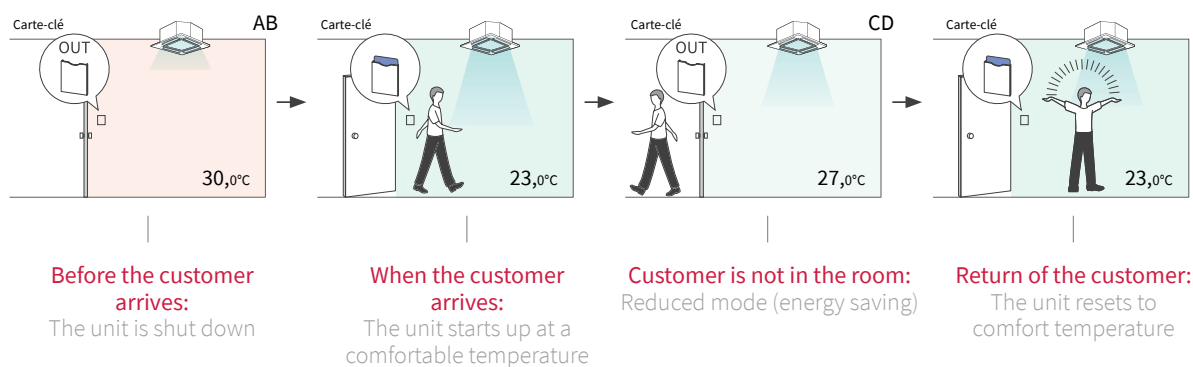


Function compatible with all FSR(1)(E) type DRV units. Requires a presence detector kit: SOR-MSK (RPI-FSR(1)E) / SOR-NEC (RCIM-FSRE) / front panel P-AP160NAE2 (RCI-FSR(1)) / SOR-NEP (RPC-FSR) / SOR-NED (RCD-FSR).

Special "eco" mode for hotel rooms

By connecting the indoor unit to the room key card, this 'eco' energy-saving mode reduces the temperature of the unit when the customer is away from the room.

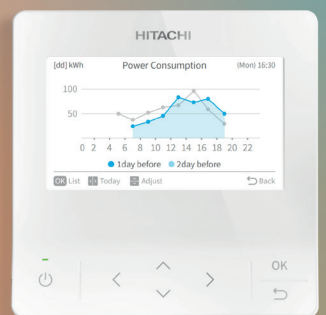
Example in summer (cold mode):



Function compatible with all FSR(1)(E) type DRV units. Requires an optional PCC 1A function connector.



Limitation of unit power



Tracking of consumption (daily, weekly or monthly)

Exclusive NFC function & airCloud Tap application

NEW

No longer any need for tedious manual settings.

The airCloud Tap application features an intuitive interface for **easy reading and writing on your phone**.

airCloud Tap

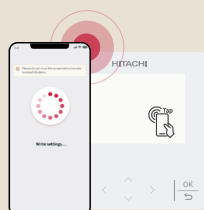


Configuration twice as fast with airCloud Tap !

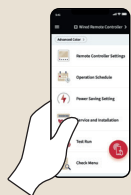
Wired controllers PC-ARFG2-E(B) are equipped with an NFC chip



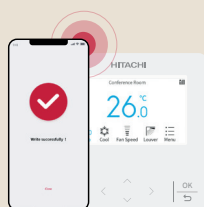
- ① Activate NFC on your air conditioning and heating equipment.



- ② Open the airCloud Tap application, then scan the controller screen with your phone to create a connection.



- ③ Change the desired parameters on your phone. You do not need to be near the air-conditioning and heating system when you are making any of these changes.



- ④ Bring your smartphone close to the controller to apply the new settings.



The list of available settings can be customized to suit each user's role.

Any settings you do not need will be hidden.

3 roles available:

- HVAC equipment manager
- Installer
- Technical service

Each role offers the user different settings.

The choice is yours: If you have no wish to use airCloud Tap, the traditional method is still available on Hitachi controllers.



The comfort of a mobile application!

- ✓ Easy access to over 140 parameters and functions,
- ✓ Full descriptions of each parameter, so no need for you to consult additional documentation,
- ✓ No need to be connected to the Internet to read and write data.



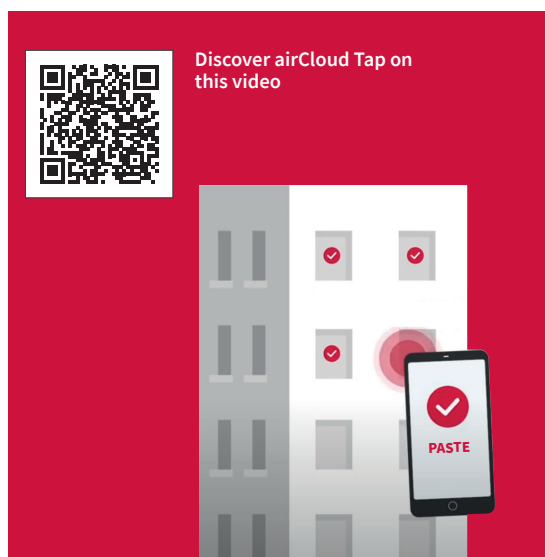
Quick and easy to learn!

- ✓ Optimized user experience,
- ✓ Fast for navigating parameters and entering data,
- ✓ Copy and paste settings to multiple controllers from your phone or tablet; ideal for identical configurations in multiple rooms.



Compatibility guaranteed!

- ✓ Works with the latest Hitachi controllers (PC-ARFG2-E, PC-ARFG2-EB),
- ✓ Compatible with the majority of NFC smartphones on the market,
- ✓ Simple technology that requires no pairing.



Configure your installation with airCloud Tap

Date and time

Import the date and time from your smartphone.

Installation and startup

Configure all the optional functions (over 140 available).

Temperature Range

Apply max-min temperatures (heating and cooling).

Weekly programming

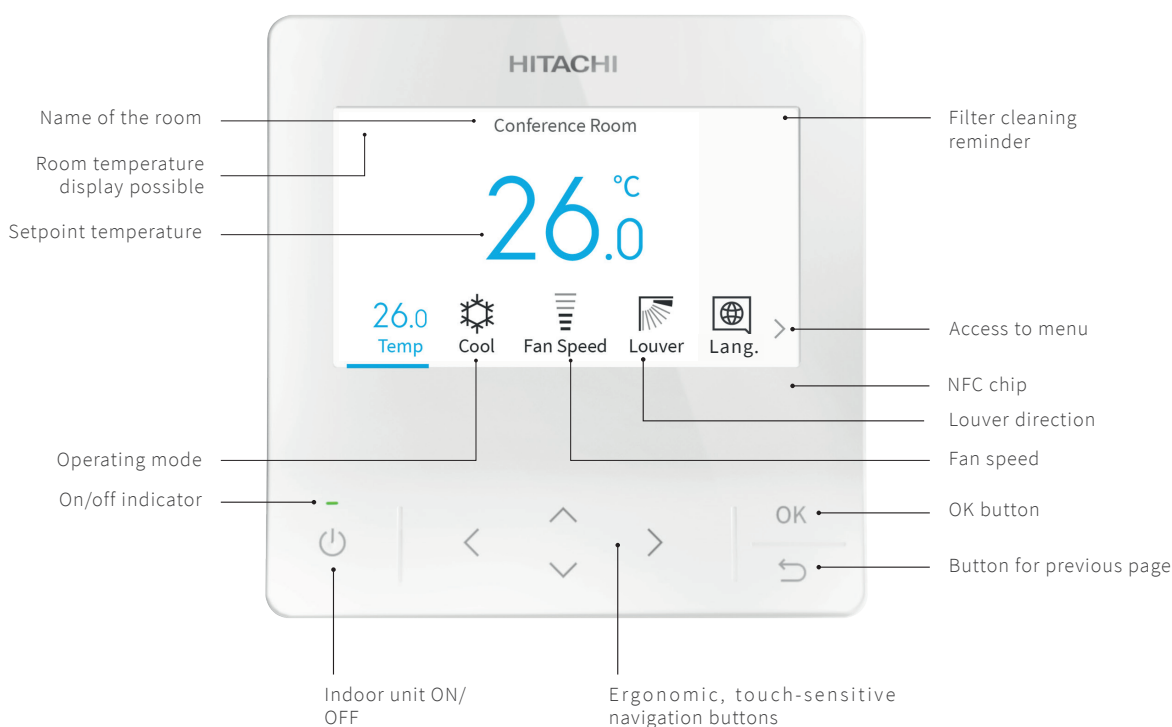
View and apply the programming created on the application to each unit.

Operating parameters

View all available technical information on IDU and ODU (probes, compressor ...).

Fault codes and history

View errors and full descriptions.

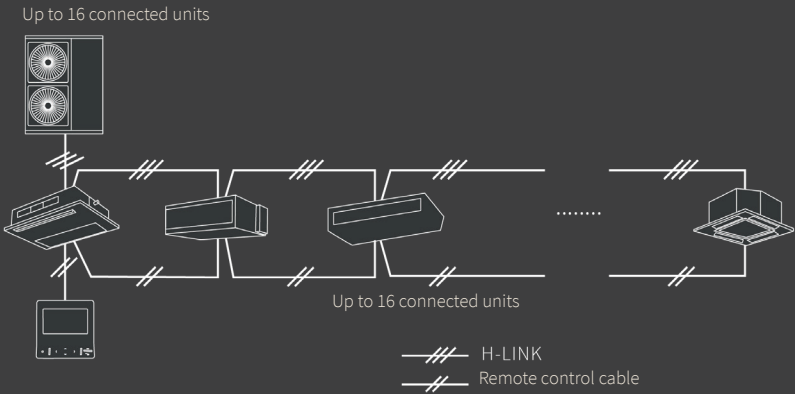
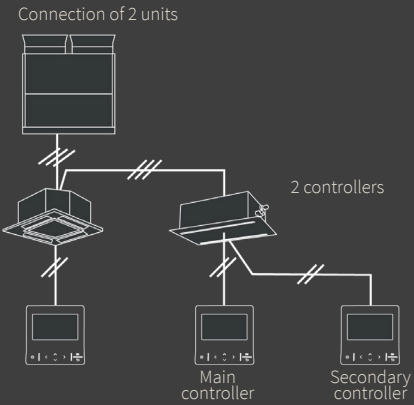


Functions

Function menu	Simple Timer
	Operation Schedule
	Power-Saving Setting
	Night Quiet Operation
	Energy-saving program/silent night mode
	Consumption display
	Autoboost
	Comfort Setting
	Motion Sensor Setting
	Setback Setting
	Elevator front panel
	Reset Filter Reminder Time
	Cleaning of filter
	FrostWash™ parameters
	Individual Louver Setting
	Louver Open/Close
	Ventilation
	Total Heat Exchanger SET
Screen Display setting	Date and time setting
	Run Indicator Brightness
	Display Adjustment
	Temperature
	Language selection

Service and installation menu / Service	Lock Function
	Password definition
	Hotel Mode Set hotel mode valid/invalid
	Power-Saving Detail Setting
	Temperature Range Restriction
	Dual Setpoint
	Main/Sub Display
	Name of the room
	Our contact details
	Simple Maintenance
Service and installation menu / Installation	Test
	Function Selection
	Input/Output
	Remote control probe selection
	Controller probe calibration (compensation temperature)
	Fan speed on thermal shutdown (Cool/Heat mode)
	Indoor Unit Address Change
	Address Check Operation
	Address Initialization
	Activation of the NFC

Service and installation menu / Installation	Redundancy function for server rooms
	Setting Initialization
	Main Remote Setting
	Setting of priorities
	Cancel Preheating Control
	Elevating Grille Setting
	Power Up Setting
Service and installation menu / Verification	Setback Trigger Unit
	Check 1
	Check 2
	Alarm History Display
	Display Model Number
	Units PCB check
	Self Check



JOHNSON CONTROLS HITACHI AIR CONDITIONING EUROPE SAS

Your installer has professional expertise He will know how to select products suited to your needs, to perform installation to state-of-the-art standards and to provide after-sales support through a maintenance contract.

Your HITACHI installation technician:



The commercial guarantees offered by Hitachi relate to the components used in our machines. Without reservation, they apply to an installation that complies with our technical specifications and they are contingent upon regular maintenance of equipment items by skilled personnel. This compressor-specific warranty will apply only if a formal commissioning report is sent to HITACHI.