

HITACHI

Eco-Compact Controller (PC-ARC-*)

Climate control in a compact size

- Great value for money that combines the best of form and function.
- Minimalist design aesthetic that reflects Hitachi's *Duality Design* philosophy.

Ideal for



Budget-sensitive VRF projects



Users who prefer simple controls



Functional spaces

Stylish & Intuitive

With distinctive curves and an aesthetic inspired by Hitachi's Duality Design philosophy, the Eco-Compact Controller is stylish, ergonomic, cost-effective, and convenient.

Enjoy climate control made easy through an optimized interface with easy-to-understand pictograms for a truly intuitive user experience.



With Near-field communication (NFC) contactless-enabled system commissioning via the airCloud Tap smartphone app, you can now save, copy, and paste settings to the Eco-Compact Controller with a simple tap.

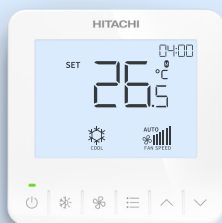


Cooling & Heating

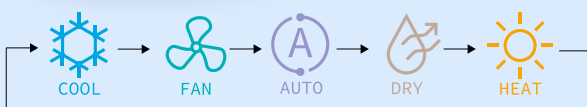
Eco-Compact Controller

Easy access to essential controls

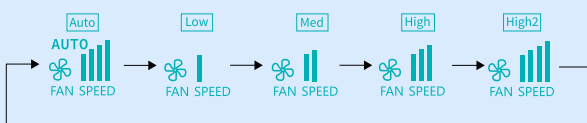
Simplified navigation enables users to change temperatures and adjust essential controls directly from the home screen in one touch.



Set temperature with 0.5C precision*



Operation modes



Fan speed



Louvers' positions

Energy-saving features

The Eco-Compact Controller includes energy-saving features to minimize unnecessary AC operation.



The **Peak-Cut** feature enables users to save even more energy during peak consumption periods.



Weekly scheduling automatically turns the indoor unit on/off at set times, great for classrooms, retail businesses or other premises with regular opening hours.

Accrued comfort



Include **GentleCool**, which controls the discharged air temperature for a smooth cooling down and prevents cold drafts.



AutoBoost activates for 30 minutes every time the AC is turned on, helping the room reach the desired temperature faster with a powerful automatic mode, which is ideal for meeting rooms and other areas requiring fast temperature reach.

Supports easy maintenance

A filter symbol appears when it's time to clean the filter. In the event of an error, the error code and the related indoor unit number is clearly displayed for ease of maintenance.



- ① Alarm Icon
- ② Indoor Unit No. (Refrigerant system)
- ③ Indoor Unit No. (Refrigerant system)
- ④ Alarm Code

Special features

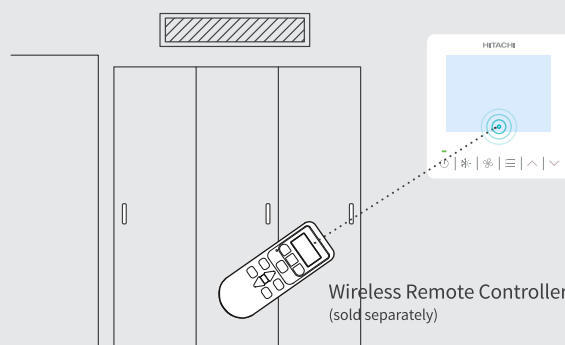
For residential users: set the Sleep mode timer **NEW** to gradually change the room temperature for a better night's sleep. The unit will turn off automatically after a set time.



For hotels: interlock the Eco-Compact Controller with your hotel key card receiver and activate setback temperature while guest is away.

Embedded IR receiver

For use with the Wireless Remote Controller. Ideal for indoor units without embedded IR receiver (ex: ducted units)

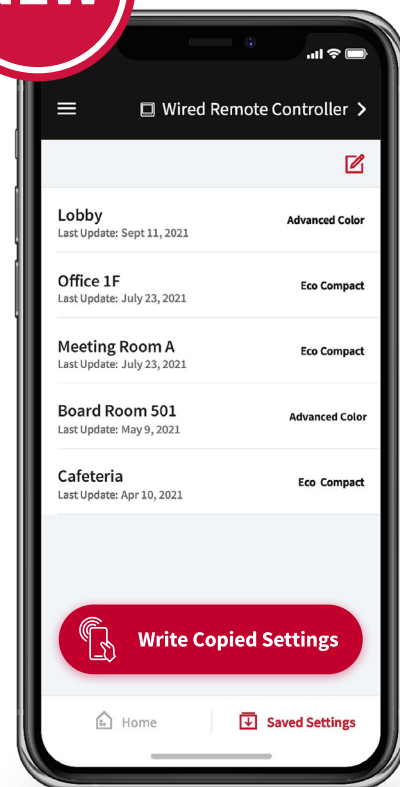


When IR receiver receives the commands, the buzzer sounds.

*Compatible HCRB10NEWQ and PC-LH7QE/PC-LH7QE1 wireless controllers

airCloud Tap: Use your phone to set the controller!

The Eco-Compact controller is embedded with NFC functionality, enabling short-distance communication between your controller and the phone. Use NFC commissioning to set up the Eco-Compact Controller via the airCloud Tap app.

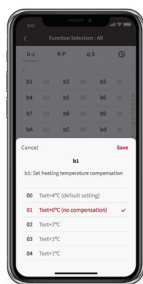


airCloud Tap time-saving tip

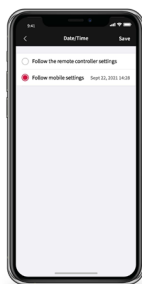
Save your setting preferences inside the app to quickly apply them again later. A simple tap is all it takes to copy, paste and apply your saved settings. This is particularly useful for multiple zones with similar needs, e.g. hotel guestrooms, office meeting rooms, condominium units, etc. Users can specify all the settings for one zone, save them, then apply these settings to other zones in one tap.

App highlights

Installation & commissioning

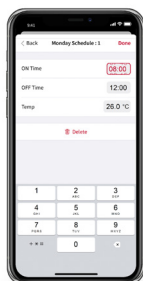


Function selection
Browse over 140 features and edit settings quickly via the app.

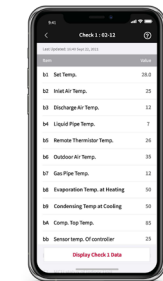


Date/Time setting
Import time and date settings from your mobile phone directly into the Controller.

Operation



On/Off Scheduling
Quickly set and copy schedules for multiple-zone buildings.

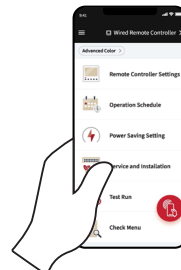
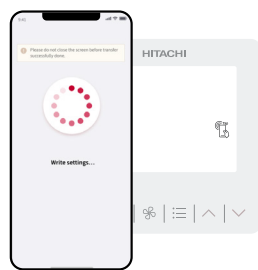
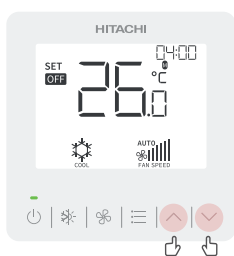


Troubleshooting
Complete service check data is displayed including connected indoor and outdoor units, refrigeration cycle information, sensor data, and more.



Error alarm & history
Error alarm codes and their descriptions are displayed on the app; error histories can be forwarded to support the servicing of controllers.

Simple 'Read & Write' process



1 Activate the NFC function on the controller.

2 Open the airCloud Tap app and tap the controller with your phone to create a connection.

3 Edit the desired settings on your phone. You don't need to be close to the controller while editing.

4 Tap the controller again with your phone to write the new settings and apply them to the controller.

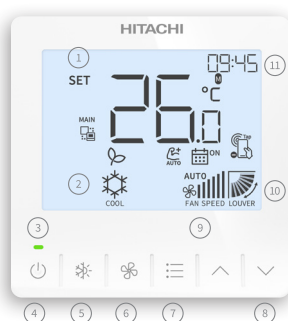


airCloud Tap is available for free. Quick sign up with minimal personal information.

* Available in selected countries from December 2021.

* Available in selected countries from January 2022.

Specifications

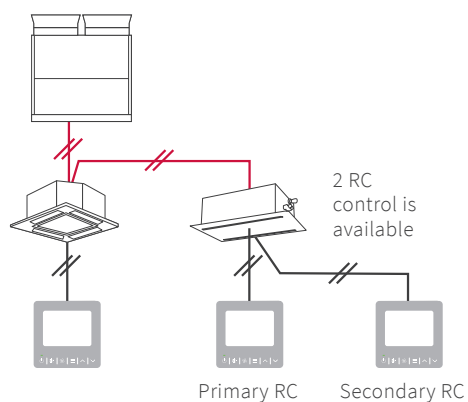


- 1 Set Temperature
- 2 Operation mode
- 3 Run indicator
- 4 On/Off button
- 5 Operation mode button
- 6 Fan speed button
- 7 Menu buttons
- 8 Directional key
- 9 Fan speed
- 10 Louver direction
- 11 Current time

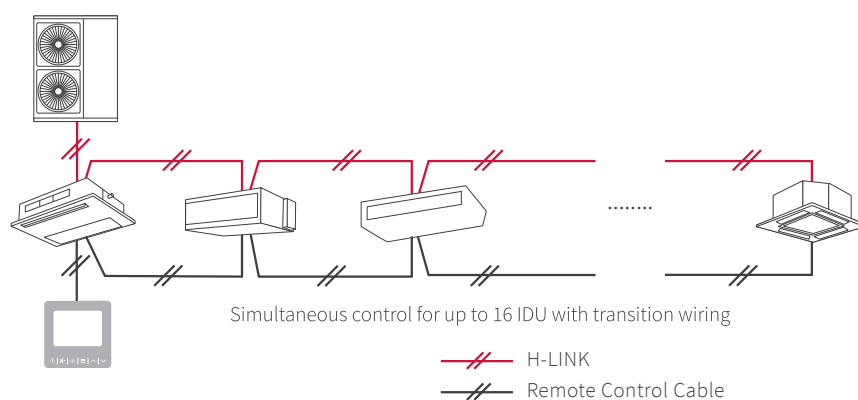
Eco-Compact wired remote controller	PC-ARC*
Power Supply	Powered by indoor unit, 15VDC±10%
Dimensions	W 90mm × H 90mm × D 15.5mm(thinnest part) W 90mm × H 90mm × D 18.5mm(thickest part)
Weight	100g (approx.)
Installation	Indoor, on the wall or switch box
Connection capacity	Up to 16 indoor units (with the same wired remote controller)

Example of System Configuration

Possibility of 2 Wired Controller Connection



Up to 16 IDU Connection



Features & Controls List

Controller setting	Advanced user controls	Prohibition after forced stop
Current time display	Operation schedule	Alarm monitor, Alarm reset
Clock synchronization with central controller NEW	Schedule ON/OFF	Alarm history
Room Temperature display	Simple timer	Emergency operation
°C/°F unit selection	Sleep Mode timer NEW	Indoor unit address and refrigerant system No. change
Backlight	Comfort setting (GentleCool)	Check 1, Check 2 (troubleshooting)
Embedded IR receiver NEW	AutoBoost	Controller Self-check
Embedded thermistor	Individual louver control (for ceiling cassettes)	The Eco-Compact Controller does not support the following functions: cassette elevating grille, FrostWash, and motion sensor-related features. Please note this is not an exhaustive list.
NFC airCloud Tap communication NEW	Power saving setting (Peak-cut)	
Language: English (+ Arabic in PC-ARC-U)	Filter sign (time) reset	
Essential AC controls	Installation & Service	
Start/Stop	Function selection	
Set temperature	Test run	
Louver position (air flow direction)	Input & output settings	
Fan Speed	Operation lock	
Operation mode	Temperature upper and lower limits	

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Johnson Controls-Hitachi Air Conditioning - 2021/12