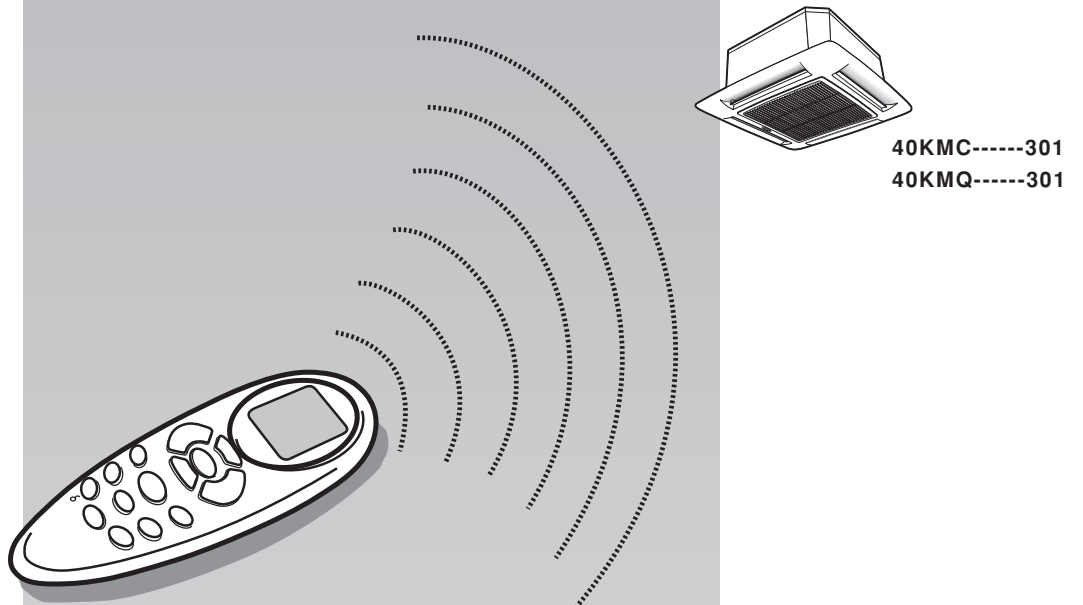




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# Infrared Remote

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**INSTALLATION MANUAL**

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# Infrared remote Installation manual

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This control system only operates with 40KMC-----301 and 40KMQ-----301 Cassette indoor units  
**For installation instructions of this unit, refer to the relevant manuals.**

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# Infrared remote

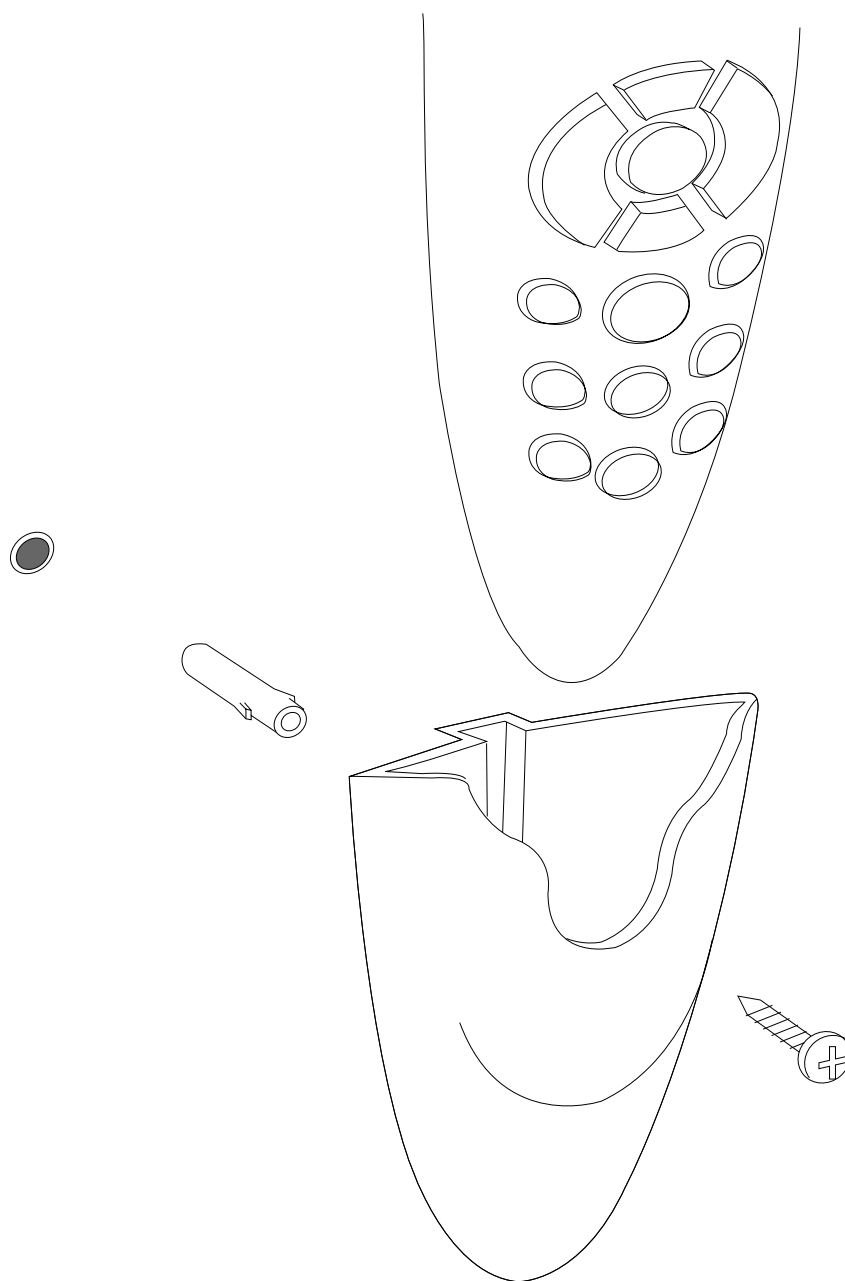
## General information

**IMPORTANT:**  
Read the entire instruction manual before starting the installation.

- After installation thoroughly test the system operation and explain all system functions to the owner.

- Dispose of packaging material in accordance with local requirements.
- The manufacturer denies any responsibility and warranty shall be void if these installation instructions are not observed.
- Inspect equipment for damage due to improper transportation or handling: file an immediate claim with the shipping company.

## Installation



- A mounting bracket for the remote control is supplied with the unit. Install the mounting bracket on the wall where the remote signal can be easily received from the remote.

# Infrared remote

## System configuration

40KMC-----301 units are factory configured as cooling only.  
40KMQ-----301 units are factory configured as heat pumps.  
When a cooling only system with a 40KMQ-----301 indoor unit is installed, it is necessary to change the factory configuration.  
Such operation must be performed as follows:

### Cooling only configuration (of the system)

- Check all electrical connections (instructions and wiring diagram).
- Insert the batteries into the remote control and leave it OFF.
- Energise the system, turning the power supply ON.
- Press the **M** and  $\frac{\text{ON}}{\text{OFF}}$  buttons of the infrared remote control and hold them pressed for more than 5 seconds.
- The display will be cleared, the time segments will display the first configuration item (rAdr = remote address) and the temperature segments will display the default value of this configuration item (Ab = control of both indoor units).
- Press button **M** repeatedly until "UCFG" is displayed.
- Press either the  $\wedge$  or  $\vee$  button to change the default value (HP) to the new value (AC).
- Press  $\frac{\text{ON}}{\text{OFF}}$  button to transmit the new configuration to the unit.
- Press  $\text{①}$  button to leave the configuration menu.

For other available configuration options, see table I.

### Cooling only configuration (of the remote controller)

**This configuration needs to be selected for 40KMC-----301 indoor units.**

- Insert the batteries into the remote controller and leave it OFF.
- Press the  $\vee$  and  $\frac{\text{ON}}{\text{OFF}}$  buttons of the infrared remote control and hold them pressed for more than 5 seconds.
- The display will be cleared, the temperature segments will display the first configuration item (CH = remote address) and the time segments will display the default value of this configuration item (Ab = control of both indoor units).
- Press button **M** repeatedly until "rc" is displayed.
- Press either the  $\wedge$  or  $\vee$  button to change the default value (HP) to the new value (AC).
- Press  $\frac{\text{ON}}{\text{OFF}}$  button to confirm the new configuration.
- Press  $\text{①}$  button to leave the configuration menu.

For other available configuration options, see table II.

#### Note:

When 30 seconds have elapsed and no buttons have been pressed, the remote controller will automatically exit the configuration menu and the procedure has to be restarted.

**Table I**

Item	Shown on display	Explanation	Description
1	"rAdr"	"A": remote unit A "b": remote unit B "Ab": remote units A and B	Remote address indoor unit A Remote address indoor unit B Default address is both indoor units
2	"UCFG"	"HP": heat pump (indoor unit with electric heaters only) "AC": cooling only (indoor unit with or without electric heaters)	Default address is heat pump Change address for cooling only
3	"UAdr"	1-40 with increase of 1	CCN unit address Default = 1
4	"ZONE"	0-40 with increase of 1	Number of zone Default = 0
5	"GFdn"	1-40 with increase of 1	Number of GFD Default = 1
6	"A St"	"OF": The unit remains OFF after the temporary power supply interruption. "On": The unit goes back to the previous operation mode after the temporary power supply interruption.	Choose of operating mode after a power supply interruption

**Table II**

Shown on display	Explanation	Description
"CH"	"A": unit A "b": unit B "Ab": units A and B	Address indoor unit A. Address indoor unit B. Default address is both indoor units.
"tU"	"C": Degrees Celsius "F": Degrees Fahrenheit	Temperature. Default is °C.
"rc"	"HP": heat pump & Cooling with Electric Heater "AC": cooling only	Default address is heat pump. Change address for cooling only.
"HR"	17 – 32: 17°C ÷ 32°C 63 – 90: 63°F ÷ 90°F	Heating temperature range °C min. and max. Heating temperature range °F min. and max.
"CR"	17 – 32: 17°C ÷ 32°C 63 – 90: 63°F ÷ 90°F	Cooling temperature range °C min. and max. Cooling temperature range °F min. and max.
"CL"	12 : 12: hour clock (AM/PM) 24 : 24: hour clock	Time format (AM = morning; PM = afternoon). Default is 12 : 12.

**NOTE:** If "rc" is changed from "HP" to "AC" and the remote control is set in the automatic or heating modes, the operation mode will be changed to cooling.

**NOTE:** If the "HR" is set to a value that is lower than "CR" and the remote control operating mode is auto, the operating mode is set to cooling.

# Infrared remote

## Operating test, address selector, fault code and Guide for the owner

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### Operating test

- Perform the operating test after the units have been installed in position and the gas leak test has been completed.
- Check all electrical connections (instructions and wiring diagram).
- Insert the batteries into the remote control and leave it OFF.
- Energise the system, turning the power supply ON.
- Press the **∧** and **☰** buttons of the infrared remote control and hold them pressed for more than 5 seconds. The display will be cleared, the time segments will display the icon (Src = service test).
- When test mode is selected, the unit will operate as described below:
  - The Unit Status (Green) and Timer (Yellow) LEDs blink every 2 seconds.
  - The indoor fan will operate according to user-selected speed. If user selected speed is Auto, the fan will run in High speed.
  - If the unit is configured as an A/C Only unit, it will operate in cool mode with demand.
- The louver will operate according to user-selected position. If user selected louver is Auto, louver operates according to cool louver:
  - If the unit is configured as a Heat Pump unit, the louver will operate according to user-selected position. If user selected louver is Auto, louver operates according to auto heat or cool louver based on operating mode. The unit will run in cool mode for 3 minutes, then it will run in heat mode for 2 minutes, or until the indoor coil is greater than 104 F. The unit will run in cool mode until test mode is exited.
- Any of the following will cancel the test Mode:
  - When the unit is turned off by the controller.
  - If the power is cycled during the Test Mode, the unit will return to its normal operating mode.
  - After 30 minutes of receiving the last valid test request message.
  - Fail Mode

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### Address selector

If you are installing two indoor units in the same room and you want them to operate in independent mode, it is necessary to assign each unit its own address so that each unit can operate via its own remote control.

For configuration, proceed as follows:

#### Configuration (unit address) Table I

- Press the **M** and **☰** buttons of the infrared remote control and hold them pressed for more than 5 seconds.
- The display will be cleared, the time segments will display the first configuration item (rAdr = remote address) and the

temperature segments will display the default value of this configuration item (Ab = control of both indoor units).

- Press either the **∧** or **∨** button to change the default value (Ab) to the new value (A) or (b).
- Press **☰** button to transmit the new configuration to the unit.
- Press **⏪** button to leave the configuration menu.

#### Configuration (remote control address) Table II

- Press the **∨** and **☰** buttons of the infrared remote control and hold them pressed for more than 5 seconds.
- The display will be cleared, the temperature segments will display the first configuration item (CH = remote address) and the time segments will display the default value of this configuration item (Ab = control of both indoor units).
- Press either the **∧** or **∨** button to change the default value (Ab) to the new value (A) or (b).
- Press **☰** button to set the new configuration on the remote control.
- Press **⏪** button to leave the configuration menu.

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#### Note:

When 30 seconds have elapsed and no buttons have been pressed, the remote control will automatically exit the configuration menu and the procedure has to be restarted.

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### Fault code

To have information on the fault codes, please refer to the unit installation manual.

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### Guide for the owner

When installation and tests are completed explain the Operation and Maintenance Manual to the owner, with particular attention to the main operating modes of the air conditioner, such as:

- Turning the unit on and off.
- Functions of the remote control.

Leave the two installation manuals for the indoor and outdoor units with the owner for future use during maintenance operations or for any other needs.



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The manufacturer reserves the right to change any product specifications without notice.

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