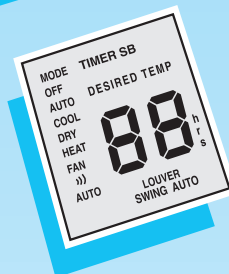
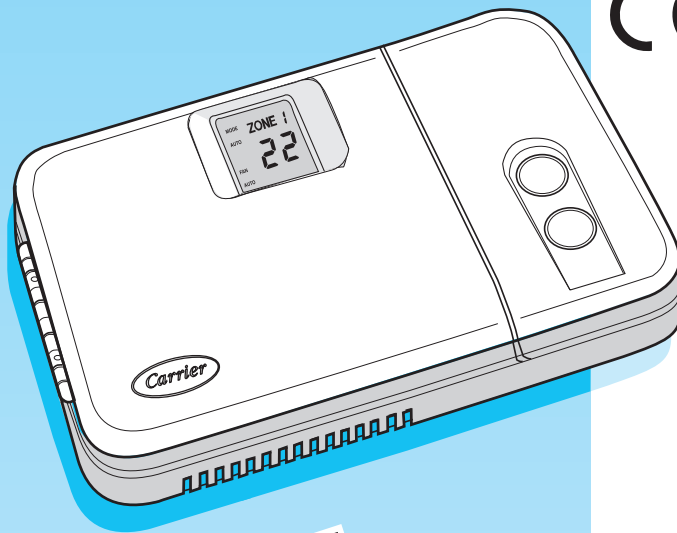




Group Controller



CE



OWNER'S MANUAL

Group Controller

Owner's manual

This control system only operates with indoor units of the following types:
40GKX and 40QKX Cassette, 42HWX and 42HWS Hi-Wall, 42VKX and 42VRX Console, 40JX Above ceiling.
For operation and maintenance instructions of this unit as well as installation instructions of the indoor unit, refer to the relevant manuals.

Contents

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General information	2
Characteristics	2
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Table I

AUTO MODE SETBACK DEADBAND	
TIMER SETBACK DEGREES	

IMPORTANT: To fill in attention to installer

Group Controller

General information and characteristics

Group Controller is a control system that permits the connection of up to 6 different internal units (Cassette, Console, Hi-Wall, Above ceiling) with same operating parameters.

Possible programming with 24 hours timer.

In case of mains power supply failure, autonomous operation is maintained for up to 2 hours.

IMPORTANT:

Read this manual carefully before using the appliance.

- Pay special attention to maintaining a comfortable room temperature above all for children and elderly or handicapped persons.
- For correct use the conditioner must only operate at the temperatures indicated in the "Operating Limits" table in the installation manuals of the external and internal units. If the unit is made to operate beyond these limits faults or water leaks may occur.
- Make sure the Group Controller control unit has not been damaged in transport; if the opposite is true file an immediate claim with the shipping company.
- Only use the appliance for the purpose it was designed.
- Dispose of packaging material in accordance with local requirements.
- Do not open the appliance otherwise it may suffer damage. In case of malfunctioning, contact a qualified service engineer.

Characteristics

"UP" and "DOWN" buttons

Buttons for raising or lowering the temperature

Function buttons

Open panel 1: the internal keyboard has 3 buttons.

TIMER

Button for operation in "Energy Saving" mode and for time programming.

FAN/LOUVER

Button for fan or louver selection.

MODE

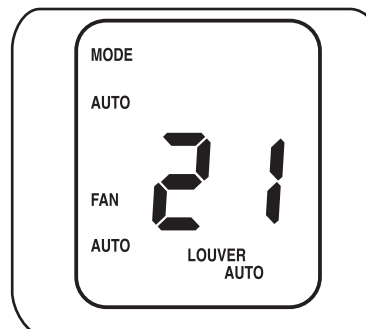
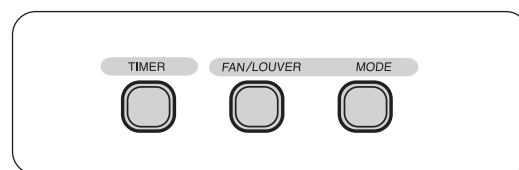
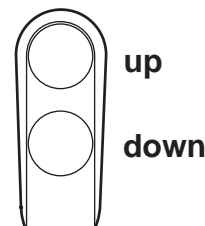
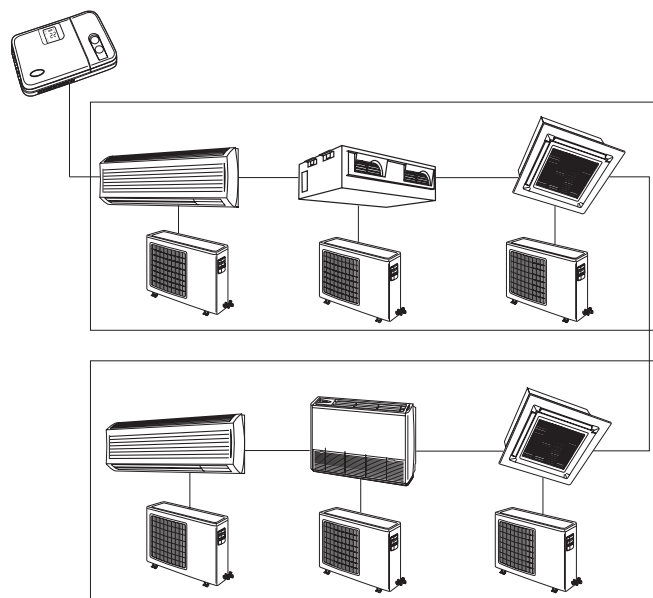
Button for operation mode selection.

Switching on

When switched on the unit is illuminated with a yellow colour and a control display appears with all the symbols of the various functions foreseen.

The illuminated display switches itself off after around 30". To switch it on again, press one of the two "UP" or "DOWN" buttons or any function button inside panel 1.

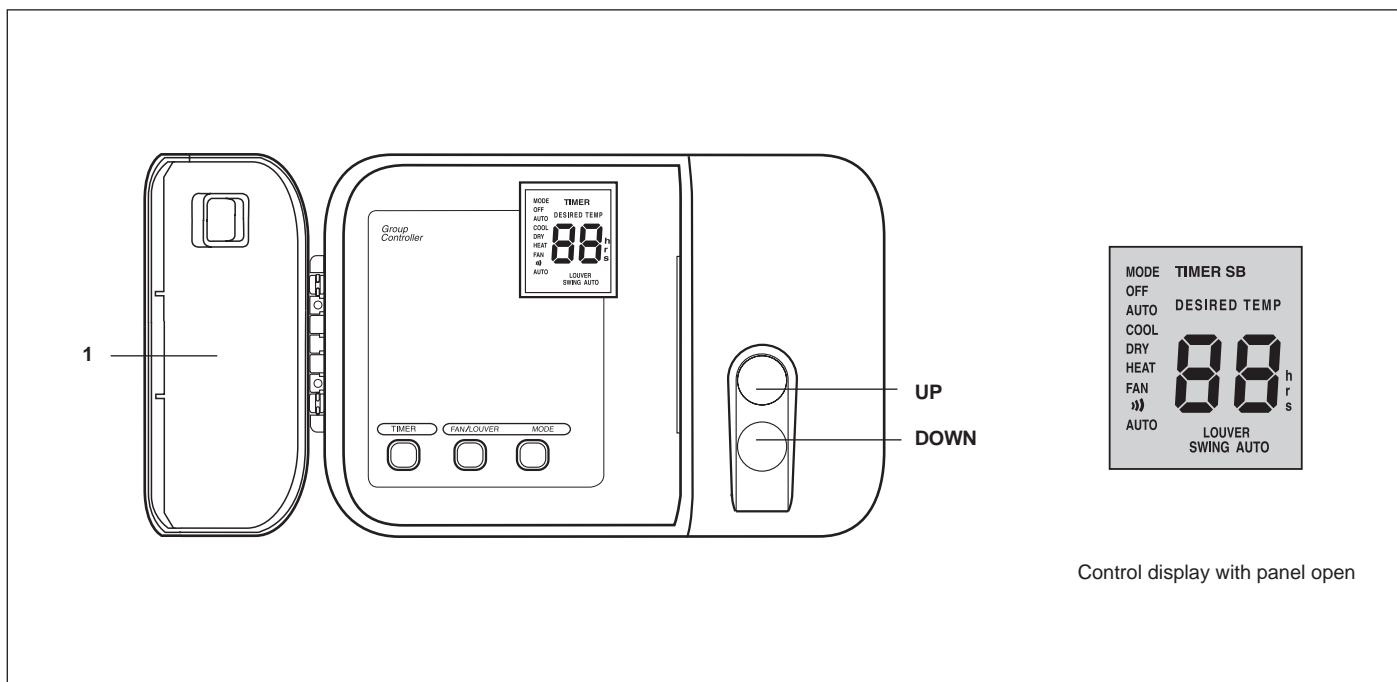
Group Controller



Example of normal operating

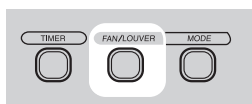
Group Controller

Characteristics and normal operation



Control display with panel open

Setting the fan

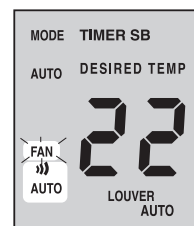


- Press the "FAN/LOUVER" button.
- Press the "MODE" button. The word "FAN" blinks.

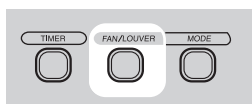
The display indicates four possible speed settings:

-) Low
-)>) Medium
-)>)>) Maximum

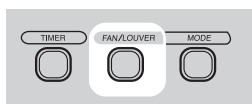
auto The fan runs at the optimum speed to maintain your desired indoor temperature.



Air flow adjustment (not applicable for 40JX unit)



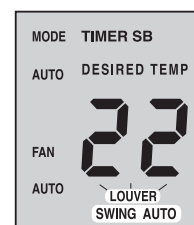
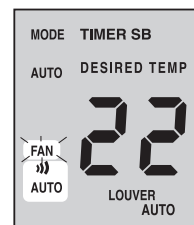
- Press the "FAN/LOUVER" button. The word "FAN" blinks.



- Press the "FAN/LOUVER" button a second time. The word "LOUVER" blinks.
- Use the "MODE" button to set the desired air flow direction.

auto Automatic louver positioning to the best position for the selected operating mode.

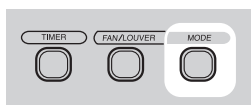
swing Louvers swing continuously.



Group Controller

Normal operation

Setting mode operation



- Press the “MODE” button.
On the display read out, the words “OFF”, “AUTO”, “COOL”, “DRY”, “HEAT” and “FAN ONLY” will rotate as the “MODE” button is pressed.

OFF The unit will not control the room temperature at all if the Group controller is operating in an “OFF” period.

The temperature, fan speed and louver operating mode indications disappear from the display.

AUTO “AUTO” Heat / Cool is used to control a room to a certain temperature range automatically. The unit will operate in “HEAT” or “COOL” modes automatically in order to control to the specified temperature range.

NOTE:

The compressor and electric heater must be off for at least 30 minutes before a transition can occur from Heating to Cooling, or Cooling to Heating. This will prevent the system from switching between Heating and Cooling continuously.

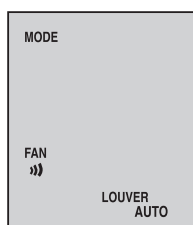
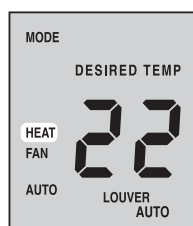
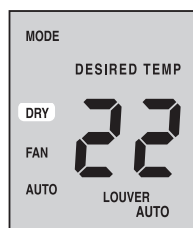
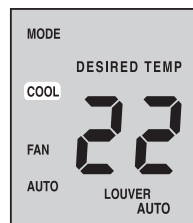
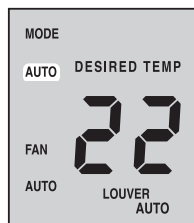
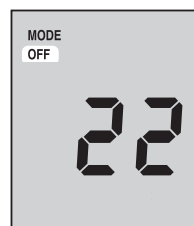
COOL Cooling operation

DRY Drying operation.

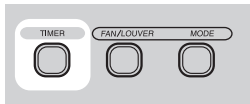
HEAT Heating operation

fan only Ventilation operation only

The temperature indication disappears from the display.



Timer Function



- Press the “TIMER” button. The unit/s will immediately go/goes into Timer Mode.

Lights the “TIMER”, and “hrs” icons.

In Timer programming mode the “hrs” icon will display the number of hours (1- 20 hours) which will elapse before the Group Controller remote resumes normal operation and returns to the desired setpoint.



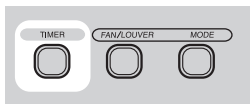
- Press the “up” or “down” button to select the time the unit will be in Timer mode.

The new Timer value will be saved, and used as the Timer value the next time Timer mode is entered. Fifteen seconds following the last button push, the display will change to the desired mode:

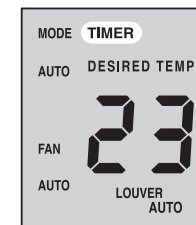
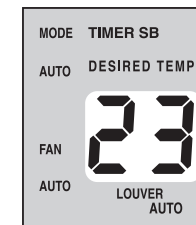
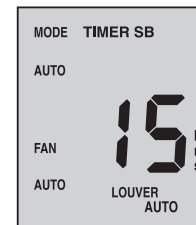
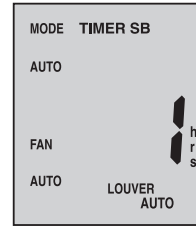
- “OFF” if “SETBACK” option had not been selected.
- “SETBACK” if “SETBACK” option had been selected.

The display will change to the desired temperature (or room air temperature if the Group Controller air sensor is used), and the icon “sb” will be energized. “sb” will then be de-energized when the “SETBACK” period has expired.

Once timer has expired the unit will resume normal operation until timer mode is disabled or 24 hours have elapsed and the unit is back in timer mode.



- Pressing the “TIMER” button will disable Timer mode and turn off the “TIMER” icon.



System programming

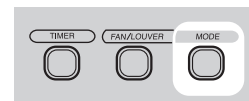
Auto with the Timer Setback

If the operating mode is “AUTO”, Timer Setback is active, and the timer setback value has not expired, the operating setpoint will be the desired temperature plus or minus the Auto Mode Setback Deadband divided by 2.

This value is configured by the installer at the installation. Refer to Table I for the configured value.

When the Timer Setback value has expired, the deadband will return to the Normal Auto Mode Deadband value, the “TIMER” icon remains energized and the “sb” icon de-energized.

The Timer Setback function will repeat itself every 24 hours until Timer Setback is canceled.



Group Controller

System programming

EXAMPLE:

Mode = *AUTO*

Desired temp. = **22**

Timer Setback value = **8**

Auto Mode Setback Deadband = **10**

Assume at 10:00 PM the timer setback function is activated.

- At 9:59 PM, normal auto mode operation.
- At 10:00 PM, the controlling heating setpoint is 17, the controlling cooling setpoint is 27.
- At 5:59 AM, the controlling heating setpoint is 17, the controlling cooling setpoint is 27.
- At 6:00 AM, normal auto mode operation.
- At 9:59 normal auto mode operation.
- At 10:00 PM, the controlling heating setpoint is 17, the controlling cooling setpoint is 27.

This will continue to repeat until Time Setback is canceled.

Heat and Cool with Timer Setback

HEAT

If the operating mode is heating ("HEAT"), Timer Setback is active, and the timer setback value has not expired, the desired temperature will be set equal to the user selected desired temperature minus the number of Timer Setback Degrees configured by the installer at the installation.

When the timer setback value has expired, the desired temperature will return to the user selected value, the "TIMER" icon remains energized and the "sb" icon de-energized.

The Timer Setback function will repeat itself every 24 hours until Timer Setback is canceled.

COOL

If the operating mode is cooling ("COOL"), Timer Setback is active, and the timer setback value has not expired yet, the desired temperature will be set equal to the user selected desired temperature plus the number of Timer Setback Degrees configured by the installer at the installation.

When the timer setback value has expired, the desired temperature will return to the user selected value, the "TIMER" icon remains energized and the "sb" icon de-energized.

The Timer Setback function will repeat itself every 24 hours until Timer Setback is canceled.

Example:

Mode = *HEAT*

Desired Temp. = **22**

Timer Setback value = **8**

Timer Setback Degrees = **6**

Assume at 10:00 PM the timer setback function is activated.

HEATING MODE

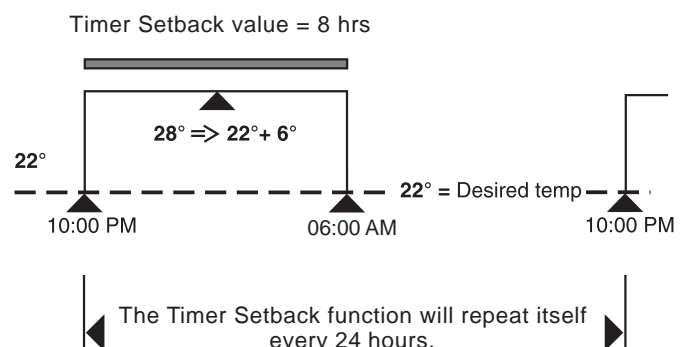
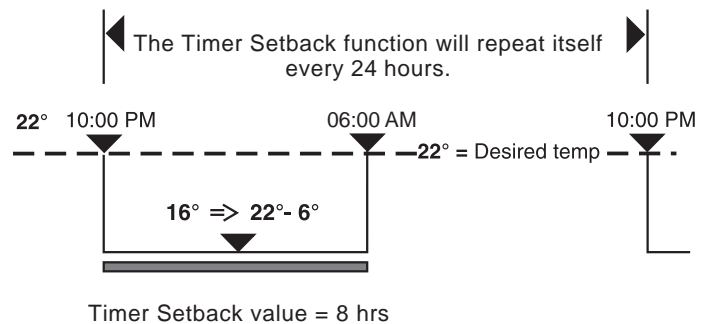
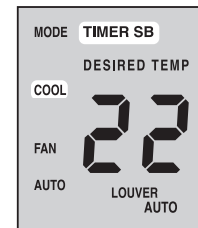
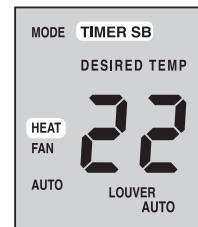
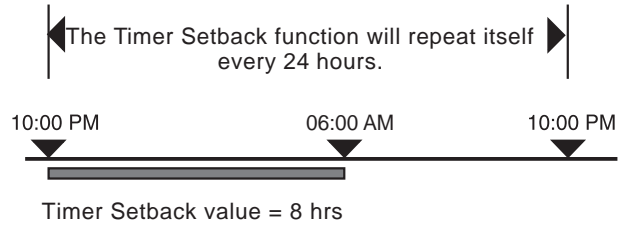
- At 9:59 PM, normal heating operation.
- At 10:00 PM, the controlling heating setpoint is 16.
- At 5:59 AM, the controlling heating setpoint is 16.
- At 6:00 AM, normal auto mode operation.
- At 9:59 PM, normal auto mode operation.
- At 10:00 PM, the controlling heating setpoint is 16.

This will continue to repeat until Time Setback is canceled.

COOLING MODE

- At 9:59 PM, normal cooling operation.
- At 10:00 PM, the controlling cooling setpoint is 28.
- At 5:59 AM, the controlling cooling setpoint is 28.
- At 6:00 AM, normal auto mode operation.
- At 9:59 PM, normal auto mode operation.
- At 10:00 PM, the controlling cooling setpoint is 28.

This will continue to repeat until Time Setback is canceled.





Via R. Sanzio, 9 - 20058 Villasanta (MI) Italy - Tel. 039/3636.1

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