

### Operating instructions

### QAX850 / RRV852

QAX850 is a master room unit for the RRV852 **Duo-zone control system**. This system allows you to control your heating and / or cooling and to set your ideal temperature conditions within the two main areas of your home. The system is divided into the main living area (Day zone) and the main night time area (Night zone). An Auto Timer mode with a 7-day programmable schedule is provided. Factory settings are already set however you can adjust these to suit your personal needs.



	System Off (Standby)
	Day zone: System supplies air to the day zone only and controls to the day zone temperature setpoint
	Night zone: System supplies air to the night zone only and controls to the night zone temperature setpoint
	Both Day/Night zone: System supplies air to both the day and night zones and controls to the Both zone temperature setpoint
	Auto timer mode: System will change over between Day zone and standby or Night zone and standby
	Heating
	Cooling
<b>A1 ... A8</b>	Time program
<b>AUTO</b>	Auto fan speed
	Low / Medium / High fan speed
<b>1 ... 7</b>	Weekday indication

#### System On and Fan Speed control

- Press to turn system on or off and to select fan speeds - Low / Medium / High / Auto Fan and System Off. If your system is single speed fan only, then simply press to turn system on or off.
- When powering up, the QAX850 will display all LCD symbols. It will then revert to normal display. The time segments will be flashing if time needs to be set.
- The system off mode turns the whole system off and is indicated by a standby symbol . Some systems will include extreme high / low temperature protection activation during – contact your supplier for further details.

#### Setting actual time and day

- Press button one time to set the time clock. (You will need to reset clock if there is a power loss of more than 20 minutes.)
- Press button to set the current time and then press to confirm.
- If current time is 12-hour format and you wish to change to 24-hour format, press button passing 11:59PM or press button passing 12:00AM.
- If current time is 24-hour format and you wish to change to 12-hour format, press button passing 23:59 or press button passing 00:00.

- Weekday
- Press button 2 times within 2 seconds. Day symbol flashes.
  - 1.. 7** Press button to set the current weekday.
  - Press to confirm. (**1** = Monday through **7** = Sunday).

#### Operation modes

- Press button to cycle through Day zone or Night zone or both Day and Night zone or Auto Timer mode.

#### Do you want Day zone operation only?

- Press button until display shows symbol. Day zone temperature is maintained according to the Day zone setpoint. A Heat or Cool symbol will be displayed to indicate the selected system mode.




#### Do you want Night zone operation only?

- Press button until display shows symbol. Night zone temperature is maintained according to the Night zone setpoint. A Heat or Cool symbol will be displayed to indicate the selected system mode.













#### Do you want both Day and Night zones to operate together?

- Press button until display shows both symbol. Day and Night zone temperature is maintained according to the Both zone setpoint and the average actual temperature between both zones. Heat or Cool symbol will be displayed to indicate the selected system mode.

## Do you wish to change to Auto Timer mode?







 Press  button until display shows  symbol. The system can automatically change over between Standby, Day and Night zones according to 8 pre-programmed timers.

## Do you want to change the permanent temperature setpoints of Day and Night or Both zone?


















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- Press , the  symbol and setpoint value is flashing indicating Day zone setpoint change expected.
  - Press  or  button to change this setpoint in steps of 0.5°C.
  - Press  to confirm and continue to the Night zone  setpoint. Repeat previous step for night zone  setpoint change.
  - Press  to confirm and continue to the Both zone  setpoint. Repeat previous step for both zone  setpoint change.
  - Press  to save the change.

**Note:** If no button is pressed after 5 seconds, setpoint setting changes will be saved and operational mode will resume.

## During operation are you too warm / too cold?

 You can temporarily adjust the temperature setpoint when in Day , Night  or Both  zone mode. Press  or  button to adjust the temperature setpoint. You can increase or decrease the room temperature setpoint in steps of 0.5°C. The maximum range is from 5°C to 35°C, however it is recommended to not exceed 18°C to 26°C range. Setpoints will revert back to permanent setpoint settings after any mode change.





## Do you want to view and set the Programmable Timer setting?

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- Press  button once to sequentially review the 8 auto timers.
  - To adjust the time schedule, hold for 3 seconds to go into Programmable Timer Setting mode.
  - Press  button to schedule Day or Night zone.
  - Auto timer 1 shows, A1 and  or  along with  symbol displays, with time xx:xx flashing to indicate timer setting change is expected.
  - Press  or  buttons to adjust the Day or Night zone start time.
  - Press  button to set the days applicable to the timer. The **1** symbol will flash. Press  or  button to select or deselect each day and advance to the next day.
  - Press  to save the changes for the Day or Night zone start time.
  - Press  or  button to adjust the end time.
  - To cancel the timer, press  button until time schedule changes to --:--.
  - Press  to save the Day or Nighth zone end time and advance to Auto timer 2.
  - Repeat the procedure for setting Timer A1 and advance to next timer.
  - System will return to normal operational mode if no button is pressed within 20 seconds. All modifications made after last Time Schedule and  button pressed will not be saved.







**This button is not used.**





## Do you want just heating?

 Press  button until display shows  symbol only. The system is restricted to heat. The  symbol will not appear if your air conditioning equipment provides cooling only.





## Do you want just cooling?

 Press  button until display shows  symbol only. The system is restricted to cool. The  symbol will not appear if your air conditioning equipment provides heating only.

## Do you want auto-changeover of heat / cool?

 Press  button until display shows both  and  symbols. This indicates the system will activate heating or cooling in order to maintain desired temperature setpoint. This applies to heating / cooling air conditioning equipment only.

## Do you want ventilation fan only?

 Press  button until the  and  symbols are not displayed. No heating or cooling will be provided - only ventilation.

## What is the green LED for?

The green LED indicates when heating or cooling energy is activated.

## Energy saving tips without sacrificing comfort

Never allow room temperatures to exceed 21°C when heating or fall below 22°C when cooling. Select System Off mode when absent for extended periods. Although auto-changeover of heat / cool is possible, it is recommended you select cool mode only in summer and heat mode only in winter.

**Note:** This document provides user instructions only. For more detailed technician information please refer to RRV852 installation / commissioning guide.