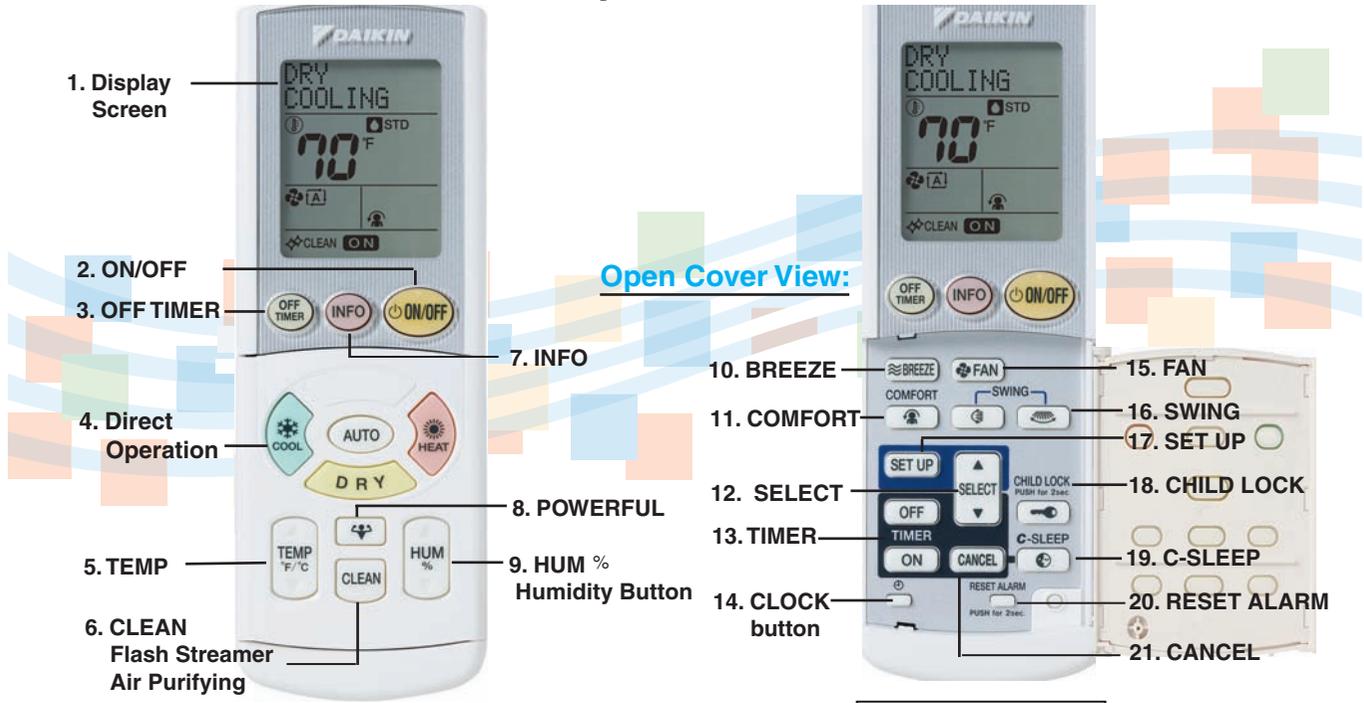


# ARC447A3 Quaternity Controller Quick User Guide



**Note:** For effective operation, this controller should be pointed at the infrared receiver on the indoor unit. The maximum distance for communication is 23ft (7m).

**Use this Controller with Quaternity units:**  
FTXG\_HVJU  
RXG\_HVJU

## FUNCTIONS

- DISPLAY SCREEN:** Displays current system settings and setpoint temperature. The protection sheet is on the display to protect it from scratches. Remove it before use.
- ON/OFF:** Press to stop operation. Pressing the button again when the unit is off will restart the same operation.
- OFF TIMER:** Pressing changes the displayed time in half hour increments. The time from 0.5 to 9.5 hours can be set. Once selected the timer lamp will illuminate. Set for **ON TIMER** or **OFF TIMER**. Check that clock is correct and reset if not.
- DIRECT OPERATION BUTTONS:** Select **COOL**, **HEAT**, **DRY**, or **AUTO**.



**COOL:** Press for cooling. The multi-monitor lamp will turn **GREEN**.

**HEAT:** Press for heating. The multi-monitor lamp will turn **RED**.

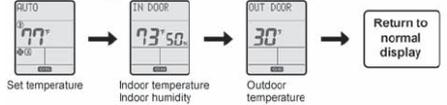
**DRY:** Press to lower humidity and minimize changes in room temperature. The multi-monitor lamp will turn **YELLOW**.

**AUTO:** Pressing will automatically change the system to operate in either cooling or heating, depending on the controller setpoint and room conditions. **To stop any operation press** .

5. **TEMP:** Press up/down arrows to adjust the temperature higher or lower. Press **SET UP**, then use the **SELECT** up/down arrows to change °F to °C, monitor brightness, beep volume, or contrast.

6. **CLEAN Flash Streamer Air Purifying:** Cleans and purifies the room air. Press and the display screen reflects . This powerful function reduces bad odors and viruses by absorbing and decomposing them. The multi-monitor lamp turns white and illuminates for the first 2 seconds of operation. The Air Purifying function automatically cancels after 2 hours.

7. **INFO:** Press while pointing the controller at the air conditioner for 2 seconds to display the indoor temperature and humidity, and the outdoor temperature. The display changes every time the **INFO** button is pressed.



8. **POWERFUL:** Press to intensify cooling or heating operation.

9. **HUM %** : Press up/down arrows  to change the **De-Humidification Control** setting. To lower the space temperature and humidity, select **COOLING** operation with the required setpoint temperature. The de-humidification setting can then be set as per the following table. To lower the space humidity with a minimal effect on the room temperature, select **DRY** operation and the required de-humidification setting as per the following table. The allowable temperature drift from the current room temperature can also be set in the **DRY** mode using the **TEMP** button.

	COOLING	DRY COOLING	DRY
	64°F – 90°F (18°C – 32°C)		-5°F (-3°C)–STD
	OFF ↔ HIGH ↔ STD ↔ LOW ↔ CONT		HIGH ↔ STD ↔ LOW ↔ CONT
MULTI-MONITOR ON/OFF: 	GREEN		YELLOW

**FEATURES**

10. **BREEZE**: Pressing  activates rapid oscillation of the airflow louvers, resulting in a naturally cooler temperature, similar to fresh air. The Cooling Breeze function is available in **COOLING**, **DRY COOLING**, **DRY**, and **FLASH STREAMER AIR PURIFYING** operation.
11. **COMFORT**: Press  to provide airflow rate and direction to prevent air from blowing directly on room occupants.
12. **SELECT**: Press  up/down arrows to adjust the **Timer** and the **Set Up** functions.
13. **TIMER**: Timer functions can automatically switch the unit on or off at night or in the morning. Set the timer for each use.

**COUNTDOWN OFF TIMER operation**: Use the select button to choose a time for the timer to go OFF. The time advances in half-hour increments and a range of 0.5 to 9.5

hours can be set. At the desired time, press . The **TIMER** lamp lights.

**ON/OFF TIMER operation**: Set the time for timer-ON or timer-OFF. Set the clock if the displayed time is incorrect. Press the **SELECT** button to set the time to be reserved. Holding down the button advances the time faster. Press **OFF** for **OFF TIMER** and **ON** for **ON TIMER**. Use Select arrows to set the time to be reserved. The Timer lamp illuminates. Press **Cancel** and the Timer lamp goes off.



Starting **COUNTDOWN OFF TIMER** and **OFF TIMER** causes the unit to automatically change the setpoint temperature 1 hour later to prevent the room from becoming too cold or too hot. It goes up 1°F during **DRY COOLING** and goes down 3.6°F during heating. The setpoint programmed in the controller is reached. When

operating the unit via the **COUNTDOWN OFF TIMER** or **OFF TIMER**, the actual length of operation may vary from the time entered by the user. Once you set the on/off timer, the time frame setting is kept in memory but the **COUNTDOWN OFF TIMER** does not have this memory function. The memory is cancelled when the remote controller batteries are replaced. **COUNTDOWN OFF TIMER** and **OFF TIMER** functions are not available if **POWERFUL** or **COMFORT SLEEP** options are selected. To combine **ON TIMER** and **OFF TIMER**:

(Example)

Present time: 23:00 (air conditioner is running).  
You want to have the unit run for 1 more hour and then turn back on at 7:00 am.

Setting the **COUNTDOWN OFF TIMER** to  1 hour later  
Setting the **ON TIMER** to  at 7:00

Setting the **OFF TIMER** to  at 0:00  
Setting the **ON TIMER** to  at 14:00

- Press  and then  to cancel the **ON TIMER** only.
- Press  and then  to cancel the **OFF TIMER** only.
- Press  several times to reach 9.5 hours and then press it once more to cancel **COUNTDOWN OFF TIMER** only

14. **CLOCK button**: Press  to check that the time on the Display Screen is correct.
15. **FAN**: Press  for five levels of airflow available in addition to Quiet and Automatic Operation. Each pressing of the button advances the airflow setting.

**NOTE**: If set to **Quiet** ( displays on LCD screen), the system capacity will reduce in addition to the sound level. If set to **Automatic** , the airflow rate automatically adjusts, depending on the difference between the setpoint and the actual room temperature.

Operating mode	Airflow rate setting
QUATERNITY DRYING	
DRY COOLING	
AUTO / COOLING	
HEATING	
FLASH STREAMER AIR PURIFYING	

16. **SWING buttons**: Press  to change vertical airflow and press  to change the horizontal airflow direction.
17. **SET UP**: Press  to set the unit operation and remote controller display to your preference. The item changes every time it is pressed. The settings change every time the **SELECT** button is pressed respectively.
18. **CHILD LOCK**: Push button for 2 seconds to lock. Press again for 2 seconds to release.
19. **C-SLEEP**: The C-SLEEP  (Comfort Sleep) button controls the room temperature to maintain a comfortable sleeping environment.
20. **RESET ALARM**: Press  for 2 seconds after cleaning to reset alarm for next time to clean.
21. **CANCEL**: Press to cease prior Timer selections.