ARC447A3 Quaternity Controller Quick User Guide

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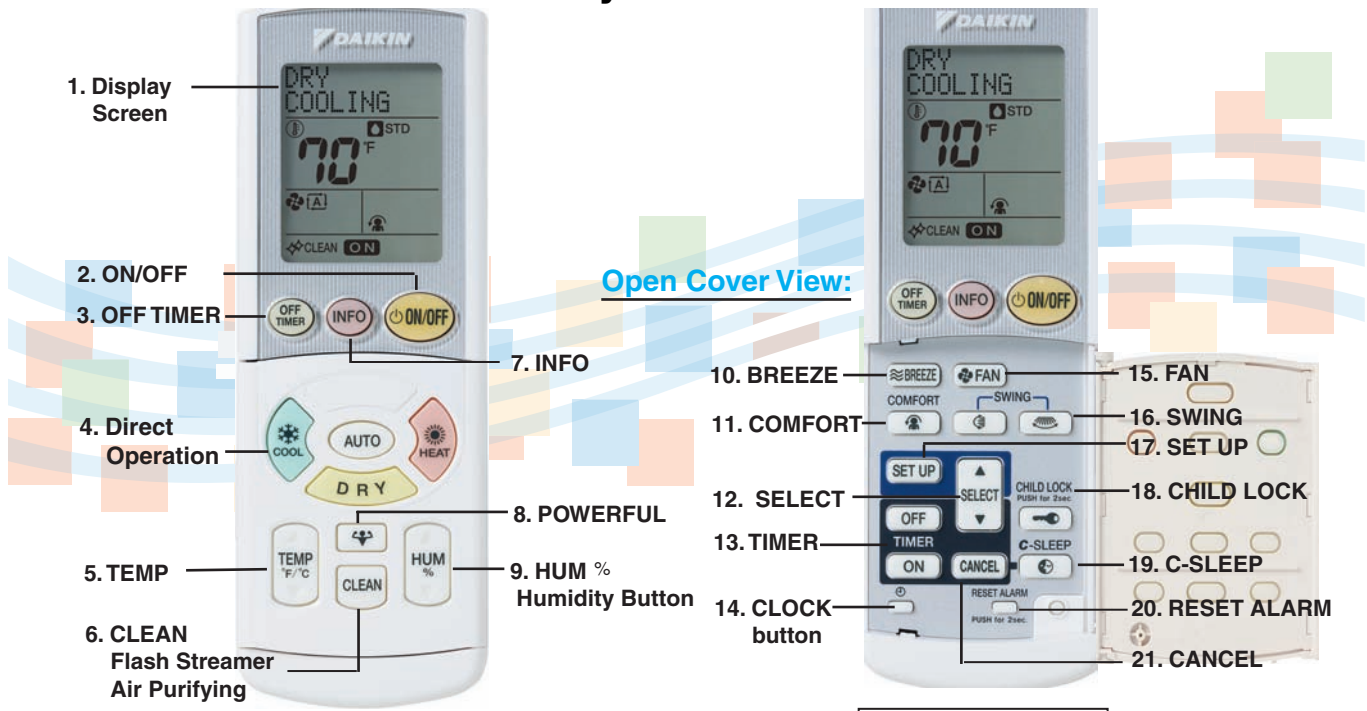
Note: For effective operation, this controller should be pointed at the infrared receiver on the indoor unit. The maximum distance for communication is 23ft (7m).

Use this Controller with Quaternity units:
FTXG_HVJU
RXG_HVJU

FUNCTIONS

1. **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.

2. **ON/OFF**: Press to stop operation. Pressing the button again when the unit is off will restart the same operation.

3. **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.

4. **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 CLEAN and the display screen reflects CLEAN ON. 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.

   Set temperature → Indoor temperature Indoor humidity → Outdoor temperature → Return to normal display

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

9. **HUM %** : Press up/down arrows [HUM] 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
[TEMP °F/°C]	64°F – 90°F (18°C – 32°C)		-5°F (-3°C)–STD
[HUM %]	OFF⇄HIGH⇄STD⇄LOW⇄CONT		HIGH⇄STD⇄LOW⇄CONT
MULTI-MONITOR ON/OFF	GREEN	YELLOW	

FEATURES

10. **BREEZE**: Pressing [≈BREEZE] 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 [SELECT] 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 [OFF TIMER] .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** funcitons 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

1H ⏱▸○
7:00⏱▸ |

Setting the OFF TIMER to ⏱▸○ at 0:00
Setting the ON TIMER to ⏱▸ | at 14:00

0:00 ⏱▸○
14:00⏱▸ |

Press [ON] and then [CANCEL] to cancel the **ON TIMER** only.

Press [OFF] and then [CANCEL] to cancel the **OFF TIMER** only.

Press [OFF TIMER] 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 [FAN] 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 additon to the sound level.

If set to **Automatic** [A], the airflow rate automatically adjusts, depending on the difference between the setpoint and the actual room temperature.

Operating mode	Airflow rate setting
QUATERNITY DRYING	[A]
DRY COOLING	
AUTO / COOLING	[A]
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 [SET UP] 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 [RESET ALARM PUSH for 2sec.] for 2 seconds after cleaning to reset alarm for next time to clean.

21. **CANCEL**: Press to cease prior Timer selections.