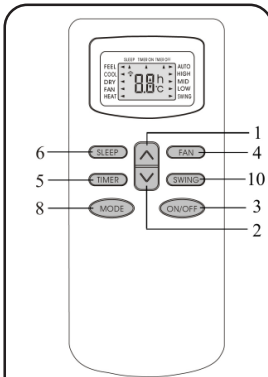# PIONEER®

For those who only want the Best!

Pioneer WYD Series
Remote Controller
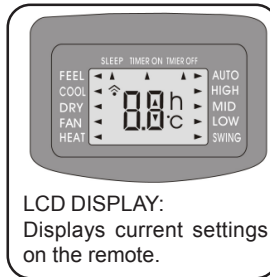# Manual

REMOTE CONTROLLER FUNCTIONS AND SETTINGS
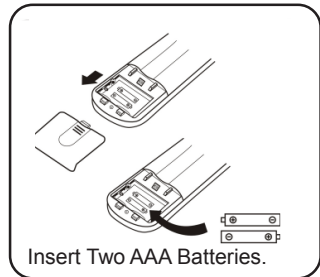
No.	Button	Function
1	▲ (TEMP UP)	Increase the temperature or time by 1 unit
2	▼ (TEMP DN)	Decrease the temperature or time by 1 unit
3	ON/OFF	To switch the conditioner on and off.
4	FAN	To select the fan speed of auto/low/mid/high
5	TIMER	To set automatic switching-on/off
6	SLEEP	To activate the function "SLEEP"
8	MODE	To select the mode of operation
10	SWING	To activate or deactivate of the movement of the "DEFLECTORS".

LCD DISPLAY:
Displays current settings on the remote.

Insert Two AAA Batteries.

REMOTE CONTROL:
Controls all of the available functions of your system with convenience from a remote distance. Wall unit beeps each time to indicate a signal was received from the remote.
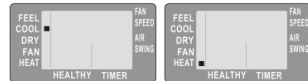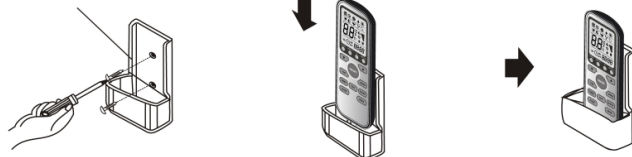
IMPORTANT WARNING - SETTING THE REMOTE FOR INITIAL USE AND AFTER REPLACING BATTERIES.

REMOTE CONTROL CAN BE SET AS COOL ONLY OR HEAT-COOL.

When the batteries are inserted, LCD screen will flash signs next to HEAT and COOL alternately. Pressing any button while the COOL sign is flashing sets the remote as Cool Only. Pressing any button while HEAT sign is flashing sets as Heat-Cool. If you do not press any button, flashing stops and controller sets up as default to Heat-Cool Function..
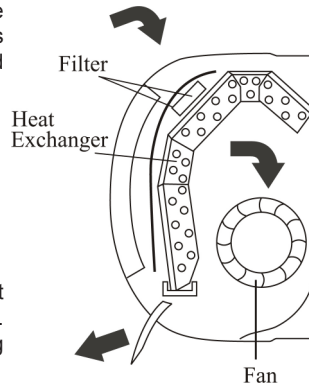
Remote controller holder

Some systems are packed with a plastic wall holder for the remote controller. This part can be bolted onto a wall to store the remote controller inside at a convenient location.

5

MODES OF OPERATION

System is designed to create comfortable climate conditions based on the user's choices for the area it is installed in. Several modes of operation are available and can be set as needed. These are:

a. Air Conditioning (Straight Cooling).
b. Heating (Reverse Cycle / Heat Pump).
c. Dehumidifying (Dry Mode for humidity control).
d. Ventilating (Fan Only mode for air circulation).
e. Auto (Automatic switch-over mode)
f. FEEL Mode (Default comfort settings).

Indoor air is recirculated through filters and the heat exchanger by a powerful yet quiet cross flow fan. Discharged air can be directed at a specific direction using the internal deflectors and external motorized flaps.
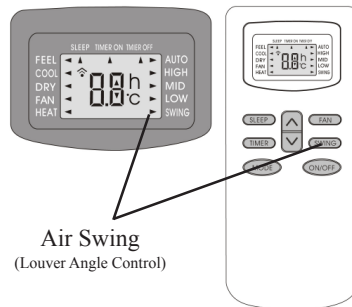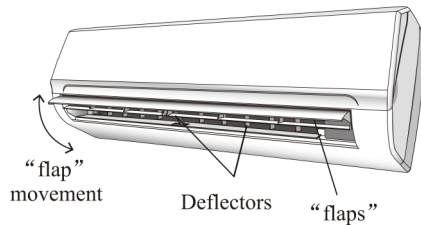

Filter

Heat Exchanger

Fan

SWING LOUVER OPERATION

Discharged air direction can be remotely controlled by pressing the SWING button on the remote. Pressing the SWING button once will activate Automatic Air Sweep mode, and the horizontal air deflectors will start moving up and down to constantly change the direction of the discharged air in a sweeping action, for optimum air distribution. An arrow, next to the word SWING on the LCD screen will illuminate to confirm the swing mode is ON.

Pressing the SWING button again will cancel the Automatic Air Sweep mode and the flaps will stop swinging and stay at their specific position at the time the button is pressed.

If a fixed discharge position is desired for the flaps, instead of the sweeping action, flaps can be stopped at that desired angle using the SWING button.

"flap" movement

Deflectors

"flaps"

Air Swing
(Louver Angle Control)

Recommended fixed flap angle for the COOL and FAN modes is an high / horizontal angle for reaching across the room.

Recommended fixed angle for HEAT and DRY modes is a low / downward angle to prevent creating air draft effect on people.

Never adjust the Auto Swing flaps by hand to prevent damage to the delicate driver motors.

Manually adjust the internal deflectors to direct the air in the right or left direction as desired. Do not attempt to adjust the deflectors while the system is ON to prevent accidents.
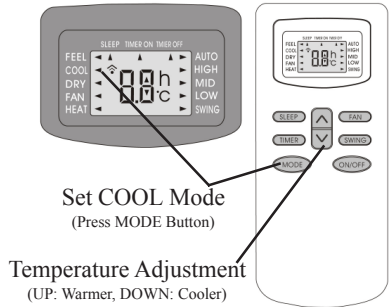
MODES OF OPERATION

COOLING MODE OPERATION

Pressing the MODE button until the arrow next to the COOL sign on the LCD screen illuminates, will set the system function to COOLING mode.

In cooling mode the desired room temperature can be adjusted by pressing the UP and DOWN arrow buttons. Display will adjust the set temperature in 1°F increments, each time these buttons are pressed.

Set COOL Mode
(Press MODE Button)

Temperature Adjustment
(UP: Warmer, DOWN: Cooler)

System starts if the set temperature is at least 1°F less then the actual room temperature and cools the room until set temperature is obtained. During cooling, a significant amount of humidity is also removed from the air automatically, for obtaining better comfort levels.
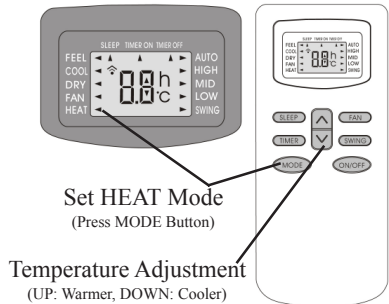
HEATING MODE OPERATION

Pressing the MODE button until the arrow next to the HEAT sign on the LCD screen illuminates, will set the system function to HEATING mode.

In heating mode the desired room temperature can be adjusted by pressing the UP and DOWN arrow buttons. Display will adjust the set temperature in 1°F increments, each time these buttons are pressed.

Set HEAT Mode
(Press MODE Button)

Temperature Adjustment
(UP: Warmer, DOWN: Cooler)

System starts if the set temperature is at least 1°F more then the actual room temperature and heats the room until set temperature is obtained. Hot Start function in the software delays the air flow from the indoor unit until the indoor unit's heat exchanger is sufficiently warmed up to prevent cold air draft. Additionally, the system software, utilizing a self learning logic, will constantly monitor and automatically activate a suitable defrost cycle when necessary, to melt down any ice accumulation on the outdoor unit's heat exchanger. Defrost cycle is entered into automatically and can not be overridden by the user. During defrost cycle, which can last between 2~10 minutes, the indoor fan stops running automatically. At the end of the defrost cycle, the system returns to heating mode and continues the normal heating operation.
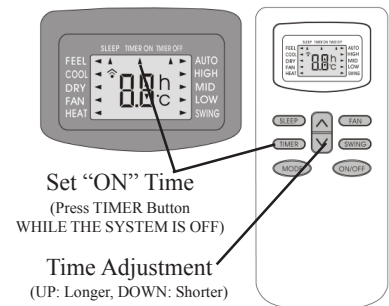
TIMER "ON" SETTINGS

To set the system to automatically start, after a certain time elapses (between 1/2 hour to 24 hours), press the TIMER button WHILE THE SYSTEM IS IN OFF MODE. Remember to set the desired operation mode (COOL or HEAT) and the fan speed, prior to setting the ON timer, then turn off the system and set the ON timer.

Set "ON" Time
(Press TIMER Button
WHILE THE SYSTEM IS OFF)

Time Adjustment
(UP: Longer, DOWN: Shorter)

To cancel ON timer, press TIMER button again. In case of power failure timer settings cancel out.

7

TIMER "OFF" SETTINGS

To set the system to automatically stop, after a certain time elapses (between 1/2 hour to 24 hours), press the TIMER button UNDERLINED WHILE THE SYSTEM IS IN ON MODE. System will run with current setting and turn itself OFF automatically after the set time elapses.

To cancel OFF timer, press TIMER button again. In case of power failure timer settings cancel out.
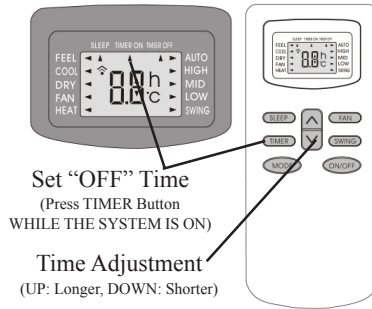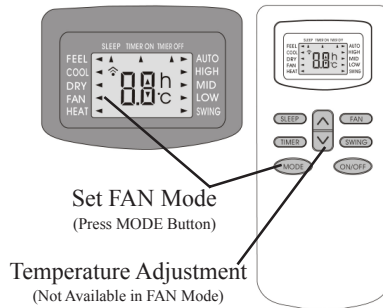
Set "OFF" Time
(Press TIMER Button
WHILE THE SYSTEM IS ON)

Time Adjustment
(UP: Longer, DOWN: Shorter)

FAN ONLY (VENTILATION) MODE

Pressing the MODE button until the arrow next to the FAN sign on the LCD screen illuminates, will set the system function to FAN ONLY (Ventilation) mode.
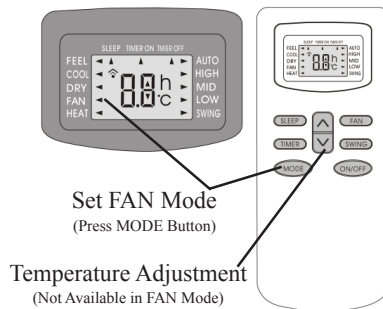
In FAN mode outdoor unit is entirely deactivated and only the indoor unit's fan runs without any cooling or heating effect. Temperature adjustment button is also deactivated. However, fan speed can still be adjusted as desired.

Set FAN Mode
(Press MODE Button)

Temperature Adjustment
(Not Available in FAN Mode)

DRY (DEHUMIDIFICATION) MODE

Pressing the MODE button until the arrow next to the DRY sign on the LCD screen illuminates, will set the system function to DRY (Dehumidification) mode.
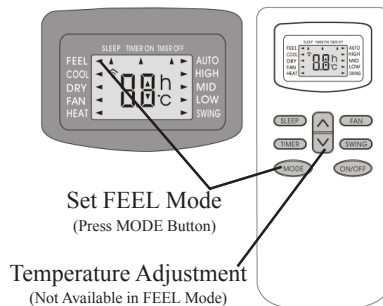
In DRY mode, system operates based on its internally programmed software instructions and temperature setting and the fan speed buttons are deactivated. Entire DRY operation is automatically controlled.

Set FAN Mode
(Press MODE Button)

Temperature Adjustment
(Not Available in FAN Mode)

FEEL (AUTO CONTROL) MODE

Pressing the MODE button until the arrow next to the FEEL sign on the LCD screen illuminates, will set to system function to FEEL (Auto Control based on below pre-programmed instructions) mode. Temperature setting button is inactivated.

Ambient temp	Operation mode	Auto temp.
$< 68°F$	HEATING (FOR HEAT PUMP TYPE) FAN (FOR COOL ONLY TYPE)	73.4°F
68°F ~78.8°F	DRY	64.4°F
> 78.8°F	COOL	73.4°F

Set FEEL Mode
(Press MODE Button)

Temperature Adjustment
(Not Available in FEEL Mode)
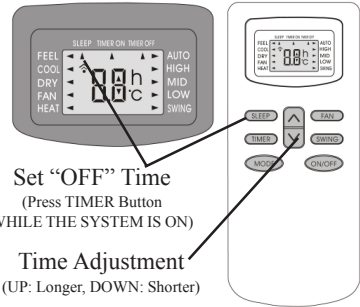
8

SLEEP FUNCTION SETTINGS

Pressing the SLEEP button will illuminate the arrow next to the SLEEP sign on the LCD screen and set the SLEEP function on. Pressing it once more will cancel the SLEEP mode. SLEEP mode can be set while running COOL or HEAT Modes.

Sleep mode adjusts the set temperature to cope with the body's natural temperature changes during sleep for comfortable night temperatures.

Set "OFF" Time
(Press TIMER Button
WHILE THE SYSTEM IS ON)

Time Adjustment
(UP: Longer, DOWN: Shorter)

If the SLEEP mode is activated, while the system is running in COOL mode, the set temperature will be automatically increased by 2°F within 1 hour and by 4°F within 2 hours. Similarly, if the SLEEP mode is activated, while the system is running in HEAT mode, the set temperature will be automatically decreased by 2°F within 1 hour and by 4°F within 2 hours. SLEEP mode will turn the system OFF automatically after 10 hours of running in sleep mode.
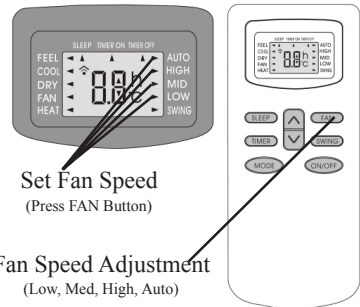
FAN MOTOR SPEED SETTINGS

Pressing the FAN button will change the fan motor's speed to provide different amount of air flow, while the system is running Cool, Heat, Feel or Fan Only Modes. The arrow next to either AUTO, HIGH, MED, LOW on the LCD screen will illuminate to correspond with the currently set fan speed.

Higher fan speed will cause slightly higher noise. AUTO speed is automatically controlled depending on the current conditions.

Set Fan Speed
(Press FAN Button)

Fan Speed Adjustment
(Low, Med, High, Auto)

SYSTEM PROTECTIONS

Any time the system is stopped, it will not restart until after a 3 minute safety time delay is elapsed. Same time delay is also automatically activated after Mode Changes.

Additionally, the system is protected from damage, under certain extreme running conditions as listed below. If any of these conditions is reached, the protective devices will stop the system.

No.	MODE	
1	Heating	Outdoor air temperature is over 75°F
		Outdoor air temperature is below -45 °F
		Room temperature is over 81°F
2	Cooling	Outdoor air temperature is over 109°F
		Room temperature is below 70 °F
3	Dry	Room temperature is below 64°F

PIONEER

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