

# Operation Manual

Touch Screen Wired Controller (Model: HCWA10NEGQ)

## Safety Precautions :

- Do not operate the wired controller by wet hands to avoid electric shock.
- Do not wash the wired controller by water to avoid electric shock or fire.
- Do not mount the wired controller in a humid environment to avoid damage to the internal elements of the controller due to moisture penetration.
- Do not install the wired control device in the damp environment, avoid to damage the components.

## 1. Product Information

Figure 1 shows all the indications for reference. The actual display during operation is different ( All figures in this manual are only for reference, please refer to the product for the actual display ).



Figure 1

### 1) Key area icons illustration

Key No.	Icons	Illustration	Function
①		ON/OFF	This key is used to start/stop the equipment
②		Mode	Promptly press this key to switch mode
③		Fan speed	Promptly press this key to switch fan speed
④		Timer	Promptly press this key to set schedule timer
⑤		Up	Press this key to increase temperature, time, swing louver angle, etc.
⑥		Down	Press this key to decrease temperature, time, etc.

### 2) Display area icons illustration

Icons	Illustration	Icons	Illustration
	Automatic		Horizontal louver
	Cooling		Lock
	Heating		Fan speed
	Ventilation		Communication
	Dry		Alarm
RT	Room temperature		Defrosting
SET	Setting temperature		Remote control Lock
°C	Centigrade degree		Operating mark
°F	Fahrenheit degree		
	Timer		Time, address and parameters display

## 2. Operations of Basic Functions

In general circumstances, the wired controller's panel is under screen protection state with dim backlight if there is no operation. To enable any operation to the wired controller, it's required to first quit the screen protection state (press any key to light up the backlight) and then enter the operation state.

### 2.1 ON/OFF

#### Operation Steps

- Press any key to light up the backlight.
- If unit operation is stopped, wired controller displays mode, communication, fan speed, weekday, time, operating mark as shown in figure 2.  
Press key ① to start the operation, wired controller displays temperature, wind etc. as shown in figure 3.
- If unit operation is start, press key ① to stop the operation as shown in figure 2.



Figure 2



Figure 3

### 2.2 Regulation of Operation Mode, Fan Speed and Temperature



Figure 4

#### Operation Steps

- Press any key to light up the backlight
- If unit operation is start, press key ② to switch the mode, as shown in figure 4.  
The switching sequence of operating mode: cooling-heating - dry - ventilation - cooling
- Press key ③ to adjust the fan speed. The switching sequence of fan speed: low - medium - high - ultrahigh - auto - low
- Press key ④, the temperature increases by 0.5°C. The range of cooling temperature regulation is 19°C to 30°C and the range of heating temperature regulation is 17°C to 30°C
- Press key ⑤, the temperature decreases by 0.5°C. The range of cooling temperature regulation is 19°C to 30°C and the range of heating temperature regulation is 17°C to 30°C

(See key serial numbers in the panel key description on the home page, for key ① to key ⑥ from left to right.)

#### TIPS :

- The minimal step to setting temperature is 0.5°C or 1°C and the default value is 0.5°C.
- By changing the function selection "P1""P2" to select the temperature step and unit ( °C / °F ), refer to the chapter: "function selection" in Installation&Maintenance Manual for the details
- The mode and fan speed identifiable by the wired controller is dependent on the indoor unit model. Different models of indoor units have a varied control of mode and fan speed. Please consult the local distributor for more details

### 2.3 Louver Direction



Figure 5

#### Operation Steps

- Press any key to light up the backlight.
- Under operation started status, press and hold key ⑤ for 5s to activate the swing louver function and enter the automatic swing louver mode, as shown in figure 5. The default regulating sequence of cooling angle: auto (①), stage 1 (②), stage 2 (③), stage 3 (④), stage 4 (⑤), stage 5 (⑥) and auto (①). The default regulating sequence of heating angle: auto (①), stage 1 (②), stage 2 (③), stage 3 (④), stage 4 (⑤), stage 5 (⑥), stage 6 (⑦), stage 7 (⑧) and auto (①).
- Press key ⑤ shortly to select the desired angle and press key ① shortly or press and hold key ⑤ to return to the operation interface.

(See key serial numbers in the panel key description on the home page, for key ① to key ⑥ from left to right.)

#### TIPS :

- Activating the swing louver can orientate the wind direction to improve the level of comfort.
- Louver function is only support the indoor unit which has this function.

### 2.4 Individual Louver Setting

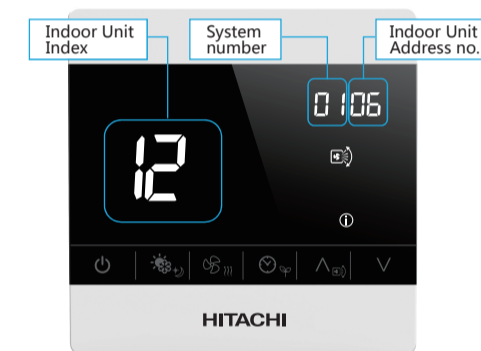


Figure 6

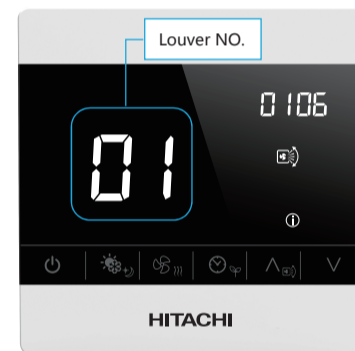


Figure 7

#### 1. When the wired controller controls multiple indoor units, the steps to adjusting the individual swing Louver angle are as follows:

##### Operation Steps

- Press any key to light up the backlight.
- If unit operation is start, press key ⑤ for 5s to enter the automatic louver mode.
- And press key ⑤ and key ⑥ for 5s to enter the individual louver adjustment interface, as shown in figure 6.
- Press key ⑤ or key ⑥ to select the specific indoor unit.
- Press key ③ for confirmation.
- Press key ⑥ to select the louver number, as shown in figure 7.
- Press key ⑤ to select the louver angle.
- Press key ③ to confirm and return to the normal operation interface .

#### 2. When the wired controller controls one indoor unit, the steps to adjusting the individual swing louver angle are as follows:

##### Operation Steps

- Press any key to light up the backlight.
- If unit operation is start, press and hold key ⑤ for 5 s to enter the louver angle adjustment interface, as shown in figure 5.
- Press and hold key ⑤ and key ⑥ for 5 s to enter the individual angle setting interface, as shown in Figure 8, and the temperature zone displays the louver NO.
- Press key ⑥ to select the louver number.
- Press key ⑤ to select the louver angle.
- Press key ③ to confirm and return to the normal operation interface.

(See key serial numbers in the panel key description on the home page, for key ① to key ⑥ from left to right.)

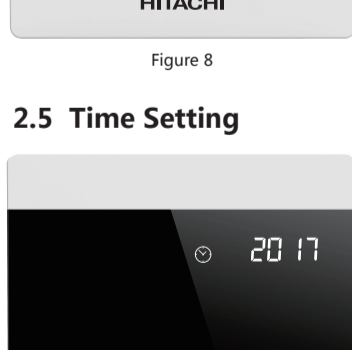


Figure 8

### 2.5 Time Setting



Figure 9



Figure 10

#### Operation Steps

- Press any key to light up the backlight.
- Press and hold key ④ and ⑤ for 5s to enter the time setting interface, as shown in Figure 9.  
Promptly press key ⑤ or ⑥ to set the year, 2017 is shown in the figure.
- Promptly press key ③ to confirm the setting and enter the month setting interface, as shown in Figure 10.  
Promptly press key ⑤ or ⑥ to set the month and for example, July is shown in the figure.
- Promptly press key ③ to confirm the setting and enter the day setting interface, as shown in Figure 11.  
Promptly press key ⑤ or ⑥ to set the day, and for example, 17 is shown in the figure.
- Promptly press key ③ to confirm and enter the hour setting interface, as shown in Figure 12.  
Promptly press key ⑤ or ⑥ to set the hour, and for example, 17:00 is shown in the figure.



Figure 11



Figure 12

- 6) Promptly press key ③ to confirm the setting and enter the minute setting interface, as shown in Figure 13. Promptly press key ⑤ or ⑥ to set the minute, and for example, 17 shown in the figure.
- 7) Promptly press key ③ to confirm and return to the operation interface upon successful settings. (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)



Figure 13



Figure 14

## 2.6 Filter Cleaning Prompt Function

When the filter of any indoor unit connected to wired controller in the system should be cleaned, the operation interface blinks and displays the operating mark ① as shown in figure 14. Press key ③ and key ⑥ simultaneously for 5s, the operating mark will stop blinking and the timer for cleaning will be restarted. (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)

## 2.7 Timer Function

### 1. Set [Time ON]



Figure 15



Figure 16

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) Promptly press key ④ to enter the timing setting function, as shown in figure 15 (If Time ON has setted, press key ① to cancel Time ON), and the interface displays the time on sign with the default time at 00:00, and the hour value is blinking with a setting range of 0-12 hours.
- 3) Promptly press key ⑤ to increase the value by 1, and press and hold key ⑤ to increase the value by 5. Promptly press key ⑥ to reduce the value by 1, and press and hold key ⑥ to reduce the value by 5.
- 4) Promptly press key ② to switch to the minute setting, with the timing range of 0-59 minutes.
- 5) Promptly press key ⑤ to increase the value by 1, and press and hold key ⑤ to increase the value by 5. Promptly press key ⑥ to reduce the value by 1, and press and hold key ⑥ to reduce the value by 5.
- 6) Promptly press key ③ to select OFF, and promptly press key ① to cancel time off.
- 7) Promptly press key ② to switch the timing mode: One-off timing (ONCE), daily timing (DAILY), weekly timing (WEEKLY).
- 8) Promptly press key ③ to confirm one-off timing (or daily timing), and return to the operation interface. Upon successful setting, the operation interface displays the ON ONCE (or DAILY) icon, as shown in Figure 16.
- 9) If it's weekly timing in step 8), press key ② to switch the setting of Sunday to Saturday, promptly press key ① to cancel the setting, and promptly press key ③ to confirm the setting. Upon successful setting, the operation interface displays the ON WEEKLY icon. (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)

### 2. Set [Time OFF]



Figure 17



Figure 18

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) Promptly press key ④ to enter the timing setting interface, and it displays the timing validation sign. Promptly press key ① to cancel TIME ON and confirm TIME OFF (If Time OFF has setted, press key ① to cancel Time OFF), as shown in figure 17. The time zone's hour value blinks with a setting range of 0-12 hours.
- 3) promptly press key ⑤ to increase the value by 1, and press and hold key ⑤ to increase the value by 5. Promptly press key ⑥ to reduce the value by 1, and hold key ⑥ to reduce the value by 5.
- 4) Promptly press key ② to switch to the minute setting, with the timing range of 0-59 minutes.
- 5) Promptly press key ⑤ to increase the value by 1, and press and hold key ⑤ to increase the value by 5. Promptly press key ⑥ to reduce the value by 1, and hold key ⑥ to reduce the value by 5.
- 6) Promptly press key ③ to confirm and enter the timing mode.
- 7) Promptly press key ② to switch the timing mode: One-off timing (ONCE), daily timing (DAILY), weekly timing (WEEKLY).
- 8) Promptly press key ③ to confirm one-off timing and return to the operation interface. Upon successful setting, the operation interface displays the OFF ONCE icon, as shown in Figure 18.
- 9) If it's weekly timing in step 7), press key ② to switch the setting of Sunday to Saturday, promptly press key ① to cancel the setting, and promptly press key ③ to confirm the setting. Upon successful setting, the operation interface displays the ON WEEKLY icon. (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)

#### TIPS :

- If TIME ON and TIME OFF are both set, then the operation interface will display ON and OFF upon successful settings. If only TIME ON is set, the operation interface will display ON upon successful setting. If only TIME OFF is set, then the operation interface will display OFF upon successful settings.

### 3. [Timing Query]

The operations of query are similar with the timing setting operations, i.e., when you have finished the above operations and enter the timing setting interface again, it will display the timing which was set the last time.

## 2.8 Lock



Figure 19

#### Operation Steps

- 1) On the wired controller's operation interface, simultaneously press key ② ④ ⑥ for 5 s to activate the wired controller's lock. Then, the operation interface will display the lock sign, while all function keys will become invalid, as shown in figure 19
  - 2) Simultaneously press key ② ④ ⑥ for 5 s. Lock will be deactivated, and the sign will disappear
- (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right)

#### TIPS :

- After starting the lock, any keypad in the keypad area is invalid (except for lock hot key), and only the backlight can be lit.

## 2.9 Priority Setting

The wired controller with high priority is the main controller, which can limit the operation mode of the sub wired controller and determine the setting temperature of the sub wired controller. The user can set the main and sub wired controller freely by changing the priority of the wired controller.

1. If there is no main controller in a system, the system will automatically specify a main controller after power on, but the priority will not be set up. If users want to set up a main controller with high priority, the setting can be made based on the following method:



Figure 20



Figure 21

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) If operation is stop, press the key ③ and key ④ for 5 s to enter the priority setting interface, as shown in figure 20.
- 3) Press key ⑤ or key ⑥, select 01 or 02, and set high priority for this wired controller. 00 indicates cancel priority setting, 01 indicates priority setting of operation mode, 02 indicates priority setting of operation mode and setting temperature.

(The priority setting of operation mode means the sub wired controller can only set the specified mode after the main controller sets operation mode, and refer to the table below for the setting mode. The priority setting of operation mode and setting temperature means that the sub wired controller can only set the specified mode after the main controller sets operation mode. After the main controller sets the temperature, the sub wired controller will automatically synchronize to the same temperature.)

Main controller mode	Setting mode of the sub wired controller
Cooling	Cooling, dry, ventilation
Heating	Heating and ventilation
Ventilation	Ventilation
Dry	Cooling, dry, ventilation
Automatic	Unlimited

- 4) Press the key ③ for confirmation, and return to the operation interface. (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)

2. If there are other main controllers inside the system already, users can set up according to the method below if want to assign a new main controller:

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) In case of operation is stopped, press key ③ and key ④ for 5 s, to enter the seizing the setting interface of the main controller, as shown in figure 21. No operation is supported in this interface. After successful seizure (10 seconds), it will automatically jump into the priority settings interface, as shown in figure 20.
- 3) Press key ⑤ or key ⑥, select 01 or 02, and set high priority for this wired controller. 00 indicates cancel priority setting, 01 indicates priority setting of operation mode, 02 indicates priority setting of operation mode and setting temperature.
- 4) Press the key ③ for confirmation, and return to the operation interface.

On the operation interface, the sub wired controller displays ① and the main controller does not display this icon, as shown in figure 22, which is the operation interface of the sub wired controller.



Figure 22

- (See serial numbers of the keys in the panel key description on the home page, for key ① to ⑥ from left to right.)

#### TIPS :

- The priority settings are only performed when operation is stopped.
- The priority settings are dependent on the indoor unit model, and the main-sub settings are not supported in individual cases. Please consult the local distributor for more details.

## 2.10 Alarm Messages

### 1. Alarm Query

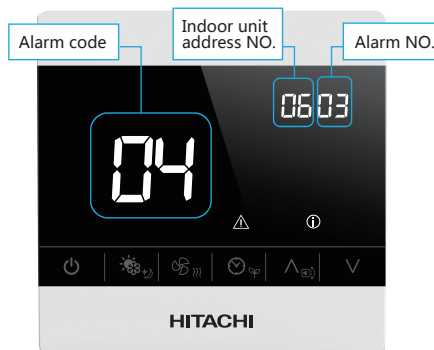


Figure 23



Figure 24

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) Press and hold key ⑥ for 5s to enter the alarm query interface, as shown in figure 23.
- 3) Promptly press key ⑤ or key ⑥ to browse the alarm.
- 4) Press the key ① or long press the key ⑥ for 5s to exit the alarm query interface and return to the operation interface.

### 2. Alarm deletion

#### Operation Steps

- 1) Press any key to light up the backlight.
- 2) Press and hold key ⑥ for 5 s to enter the alarm query interface.
- 3) Press and hold key ③ and key ④ for 5 s to delete all alarm records, as shown in figure 24. In case of no alarm, the alarm record displays 00, and the minute area displays 00.
- 4) Press the key ① or long press the key ⑥ for 5 seconds to exit the alarm query interface and return to the operation interface.

#### TIPS :

- 30 alarm messages can be recorded at most in the wired controller alarm query.