

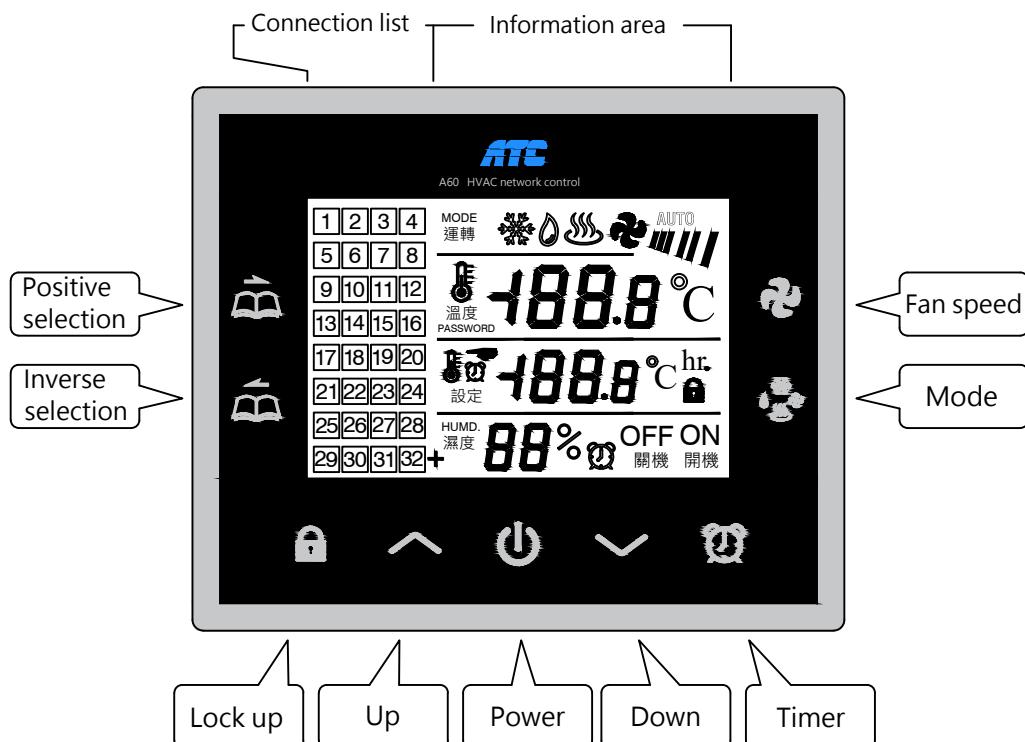
# A60KP Centralized HVAC Control System

## ● Features :

- Central monitoring panel, centralized connection and management of FCUs.
- Large LCD backlight screen with Chinese and English and graphic display.
- The stable CVD capacitive touch buttons make the operation smooth
- The full list will actively warn of errors.
- Temperature display and setting are accurate to 0.1 degrees Celsius.
- The power-off reset function ensures that the setting data is retained.
- Dual-channel Modbus with network gateway function to connect to the host monitoring.



## ● Operating Instructions :



## ▼ NOTICE



























- ※ When first power-on must have wait for more than 30 seconds to operation. If don't, connection may cause failure. If connection failed, please shut down the panel, power-on again after 10 seconds and extend the waiting time.
- ※ When any connected FCU is turned on, the panel backlight will automatically light up and the screen will display "ON"; when all FCUs are turned off, it will display "OFF" and the backlight will go out.
- ※ Due to the sequence of start and stop, each action time of full-on or full-off depends on the total number of connections. Please wait for the full list to display all the actual switch machine numbers before proceeding with other operations.
- ※ When the connected FCU fails, the station number will continue to flash. If entering the station, the error code is displayed as follows:

**CE: Connection Error**



**SE: Temperature sensor Error**

**hE: Humidity sensor Error**

## ▼ GROUP OPERATING INSTRUCTIONS :

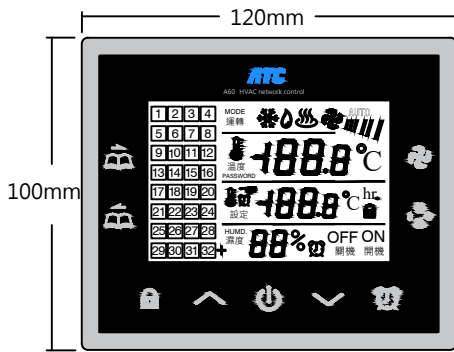
- |               |   |   |
|---------------|---|---|
| Power ON/OFF  | ➡ | <ul style="list-style-type: none"> <li>● Press  key will power-on or power-off the non-locking air-conditioning.</li> </ul>  |
| Temp. adjust  | ➡ | <ul style="list-style-type: none"> <li>● Press the  key to raises 0.1°C or the  key to reduce 0.1°C, hold down the  key to raises or the  key to reduce 1°C quickly.</li> </ul>   |
| Mode select   | ➡ | <ul style="list-style-type: none"> <li>● Press  key once to select operating mode as following order :<br/>Cooling  &gt; humidity <b>HU</b> &gt; Fan only  &gt; Heating  &gt; Fan only  &gt; Cooling cycling.</li> <li>★ If the humidity sensor is equipped, the screen can show and set the humidity level from 20% to 90% in the humidity mode. If don't, the "<b>Hd</b>" will shown.</li> </ul>   |
| Fan speed     | ➡ | <ul style="list-style-type: none"> <li>● Press the  key once to select fan speed as following order :<br/>Auto  &gt; High  / &gt; Middle  // &gt; Low  /// &gt; Auto  cycling.</li> <li>● When into the fan select mode, once press the  key to raise 1 section till speed 20 ( max. ) or the  key to reduce 1 section till speed 1 ( min. ) . (Only for XE controller )</li> </ul> |
| Timer ON/OFF  | ➡ | <ul style="list-style-type: none"> <li>● Press the  key will automatically select timer-on or timer-off mode.</li> <li>● Input 0~24 hours by press   keys, press  key again to active the timer running.</li> </ul>   |
| Lock & Unlock | ➡ | <ul style="list-style-type: none"> <li>● Keep press the  key until the lock sign  appear will lock up all of keys except the  key, repeat once till the lock sign  disappear will unlock the keys.</li> <li>● The lock on the main screen is only for the centralized control panel itself, the on-site panel can still be operated and set.</li> </ul>   |

## ▼ INDIVIDUAL SETTINGS :

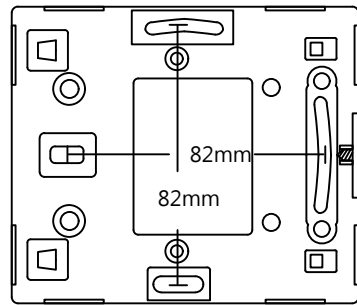
- ★ Press the key  or the key  to select the number of the device to be controlled. At the moment when the station's number flashes, the information field on the right shows the status of the air conditioner in real time. At this time, you can directly perform individual settings and operations for the air conditioner, automatically return to the main screen after leaving the hand for 15 seconds after the setting is completed.
- ★ For individual operations, please refer to the above group setting instructions for direct operations. However, the timer function cannot be individually set.
- ★ Individual lock-on :
  - When an air conditioner wants to leave the group on/off command, first press the channel selection button to select the station number and then press and hold the lock button until the lock symbol appears on the screen, which means that the station has been individually locked. This lock station will not receive group power on/off commands.
  - When individual lock stations need to be set through monitoring, it must be unlocked before issuing an order. When the instruction is executed, the next lock instruction is executed to restore the locked state.
  - Repeat individual lock steps untill the lock symbol disappears, it will be unlocked and return to the state of receiving group switch control.

## ● Installation :

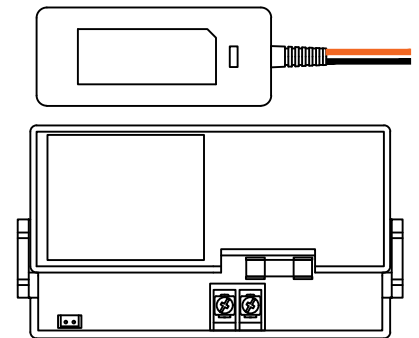
### ● Dimensions :



A60KP Main body

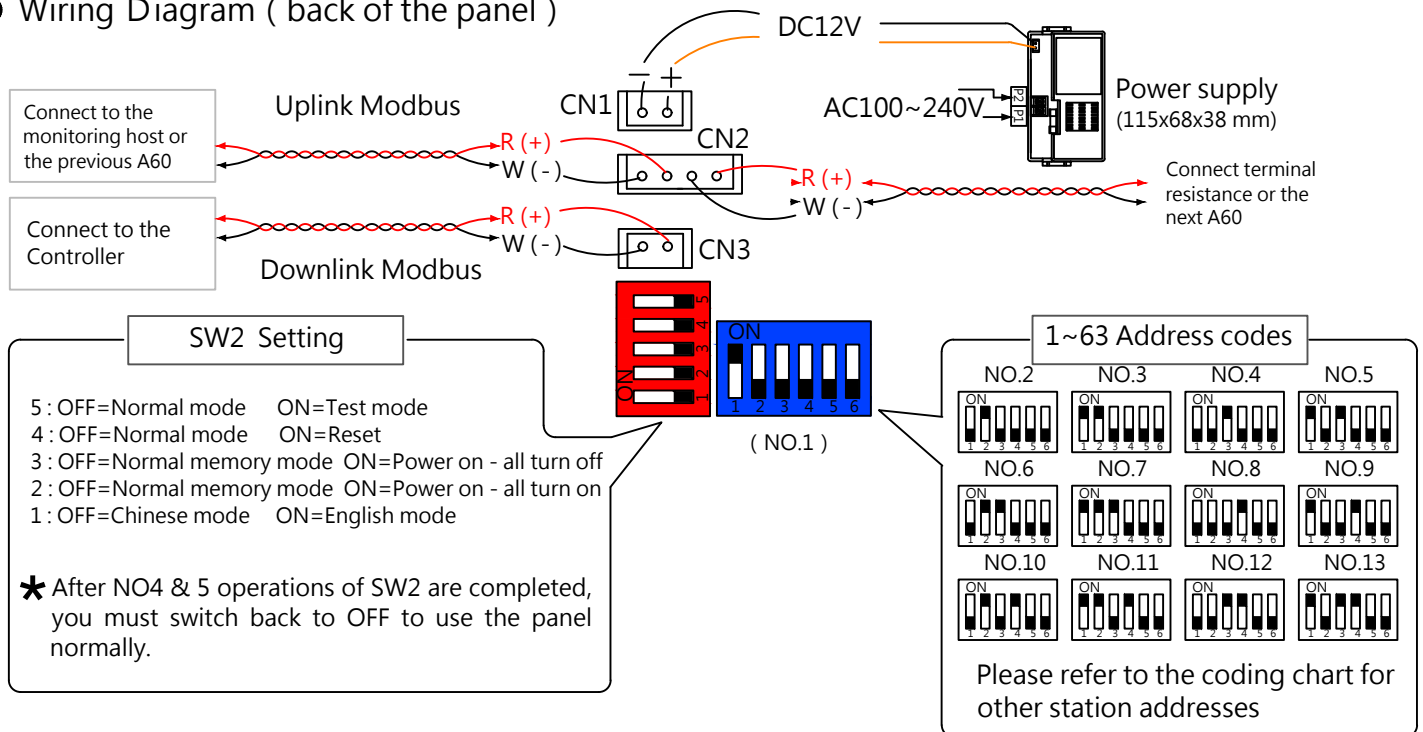


Bottom plate

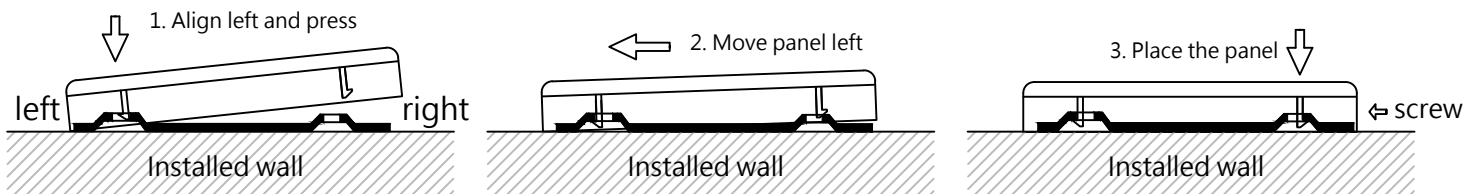


Power supply ( 2 general type )

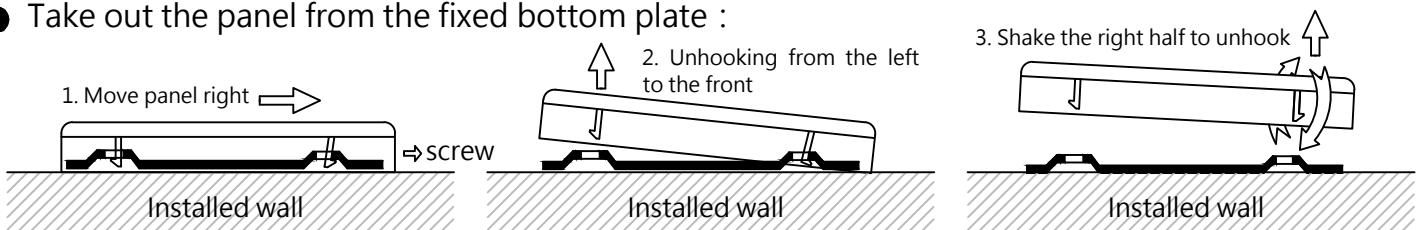
### ● Wiring Diagram ( back of the panel )



### ● Install the panel into the fixed bottom plate :



### ● Take out the panel from the fixed bottom plate :



## ▼ IP ADDRESS SETTINGS :

NO.14	NO.15	NO.16	NO.17	NO.18	NO.19	NO.20	NO.21
NO.22	NO.23	NO.24	NO.25	NO.26	NO.27	NO.28	NO.29
NO.30	NO.31	NO.32	NO.33	NO.34	NO.35	NO.36	NO.37
NO.38	NO.39	NO.40	NO.41	NO.42	NO.43	NO.44	NO.45
NO.46	NO.47	NO.48	NO.49	NO.50	NO.51	NO.52	NO.53
NO.54	NO.55	NO.56	NO.57	NO.58	NO.59	NO.60	NO.61
NO.62	NO.63	<p>※ To avoid communication errors or blank errors during continuous reading, the IP address setting must not be repeated and the encoding setting must be in a continuous number.</p>					

## ● Technical Specifications :

Input power	AC 90~240V, 50/60Hz general convert to DC12V 400mA power supplier
Display type	Chinese and English graphics comparison with 4 "LCD backlight screen ( 80×50mm )
Protocol type	RS485 Serial communication ( Max. 1200m )
Temp. set detail	Detect range : -55.0 ~ 125.0 °C / Set range : 5.0 ~ 35.0 °C (Original), -50.0 ~ 120.0 °C (Max.) / Resolution : 0.1 °C
Humidity set detail	Detect range : 1 ~ 90% & Set range : 20 ~ 90% & Resolution : 1%
Fan speed control	3 speed (XF) / 3 & 20 speed (XE) auto/manual
Operation mode	Cool / Humidity / Fan only ( / Heat ) ( / Auto )
Operation key	CVD Capacitive touch panel
Communication protocol	Modbus RTU 9600 or 19200 bps N,8,1
Communication wire	UL2464 AWG22×2C Twisted-pair & Shielded wire
connected devices	Up Link : 63 / Down Link : 40 ( Max. 2520 )
Dimensions	L×W×H : 120×100×16 ( mm )
Protect class	IP 52

● The company reserves the right to modify the catalog information at the end.

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