

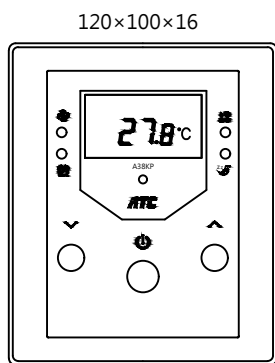
A38KP LCD Digital Thermostat

● Features :

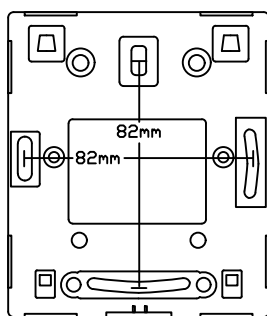
- LCD back-light screen control panel
- General Specification size. ● 0.1°C Temperature accuracy.
- Smart progressive speed up/down keys.
- Several controllers fit 3 speed or EC motor for FCU and AHU.
- Fusion 3 speed fast & 20 speed fine-tuning for the XE model.
- Outfit RS-485 port operated by the MODBUS RTU open protocol.
- Optional humidity sensor for temperature and humidity control.



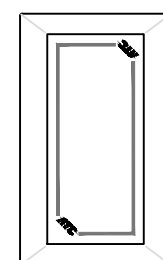
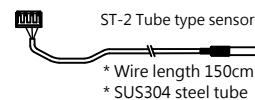
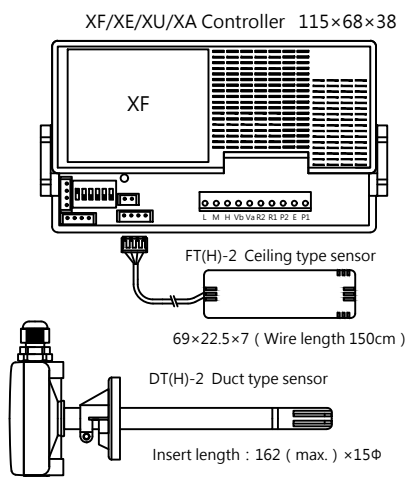
● Dimensions : (L×W×H) mm



A38KP Main body



Bottom plate



RT(H)-2 Room type sensor
120×72×20

● Operating Instructions :

Power ON/OFF

- Press the key once will start or stop the air-conditioning operating.

Temp. adjust

- Press the key to raises 0.1°C or the key to reduce 0.1°C, Keep press the key to raises or the key to reduce 0.1°C quickly.

Back-light mode

- Keep press the & key till the beeper sound will change the back-light mode into the lighting 12 second mode, Once again will back to the on-bright/off-dark mode.

Mode select

- Press the key will change the operating mode as following order :
Cool > humidity > Fan only (>Heat (>Auto)>Cool cycling.
- * 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 "Hd" will shown.
- * Connected with the cool/heat controller : Allowed select into heat mode.
- * Connected with the 4-pipe/heater controller : Allowed select into auto mode.

Fan speed

- Press the key once to select fan speed as following order :
Auto > High > Middle > Low > Auto cycling.
- How to select manual 20 section speed ? (Only for XE controller)
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.) .
- * Some of the air-conditioning system may not allow into some inappropriate speed.

Sleep mode

- Press the button while cooling mode will enable the sleeping mode ,
The setting temperature will rise 1°C after half hour and rise 1°C again after one hour.
- * Keep press the key over 5 second when the A/C is power-on will into the back-light brightness adjust mode, press the key to select most favorite brightness.

Timer on/off

- Press key will automatically select timer-on or timer-off mode.
- Input 0~24 hours by press keys, press key again to begin the timer running.

Lock & Unlock

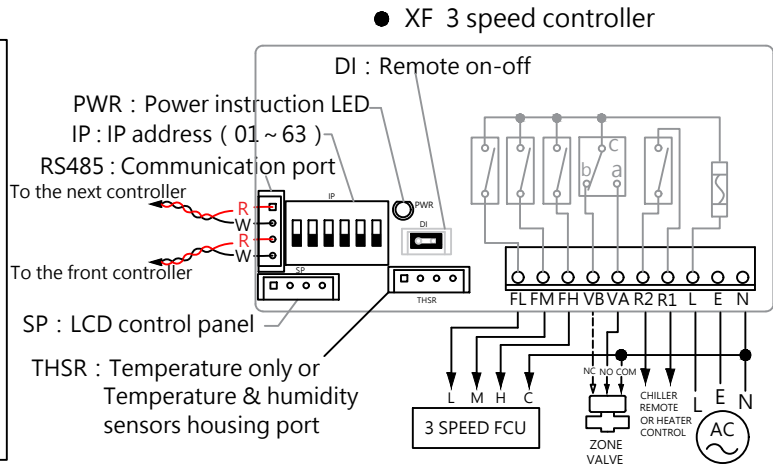
- Keep press the key until the lock sign appear will lock up all of keys except the key, Repeat once till the lock sign disappear will unlock the keys.

* The difference of the display and setting degree effected by the air-conditioner's ability or the change of loading ,
There is no any guarantee to whether the same value or the tolerance degree about this thermostat.

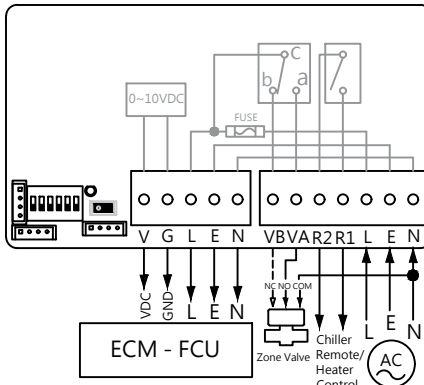
● Wiring diagram :

NOTICE

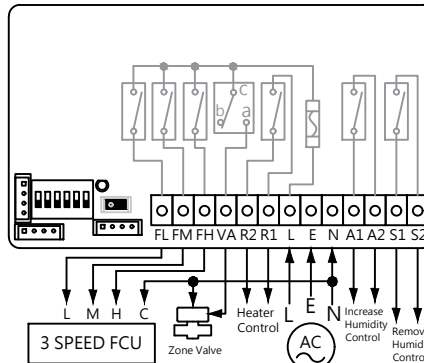
- ★ The sensor must be position in the return air path, Never put into the drain plate or close to the coil / motor / vent air positions etc.
- ★ Remove the unused wire connectors, But the DI must be keep it on for actuate the power on/off.
- ★ No need to set IP if the RS485 unused, Implement the power reset when changed the IP address.
- ★ The RS-485 cable must be used UL2464 AWG22 x2C Twisted-pair & Shielded wire according with "one-in & one-out" rule connecting with all of the devices, Never set any branch in the halfway.
- ★ When control with the direct split A/C, Chose the 'DE' controller, Use VA for the outdoor unit & R1/R2 to control with the 4-way valve.



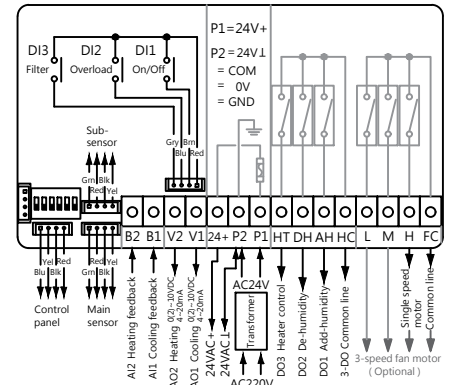
● XE EC motor controller



● XU 3 speed with humidity controller

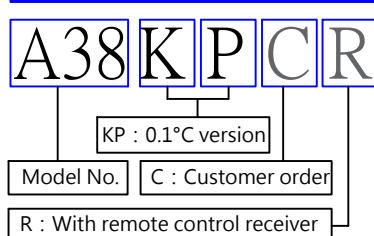


● XA AHU P+I controller

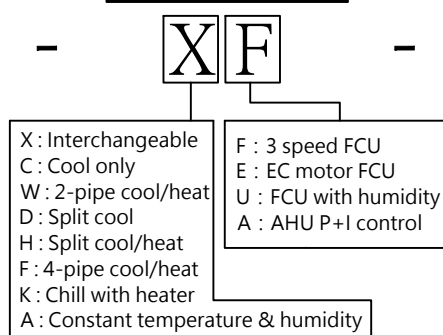


● How to order :

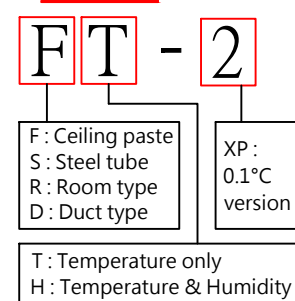
LCD Control Panel



Controller



Sensor



● Technical Specifications :

Input power	AC 90~240V, 50/60Hz general	Support fan motor	3-speed motor (XF) / EC motor (XE)
Display type	LCD with LED back-light screen	RPM control (XE)	0~10VDC correspond 0~1200 RPM
Operation key	Press key	Air volume control	3 speed (XF) / 3 & 20 speed (XE) auto/manual
Control panel	General Specification.	Communication wire	Panel vs controller : 0.5mm²×4C ; longest 100 meters
Temp. set range	5.0 ~ 35.0 °C (Original) -50.0 ~ 120.0 °C (Max.)	RS485 protocol	Modbus RTU 9600 or 19200 bps N,8,1
Temp. resolution	0.1 °C	Remote control	Infrared receiver (Fit for R30RC)
Temp. detect range	-55.0 ~ 125.0 °C	Humidity sensor	Integrated circuit module
Operation mode	Cool / Humidity / Fan only (/ Heat) (/ Auto)	Humidity set range	20 ~ 90 %
Protect class	Control panel : IP53 Tube type sensor : IP65	Humidity detect range	20 ~ 90 %
Output capability	3-speed : 5A/220VAC ; Valve / Chiller : 3A/220VAC	Humidity resolution	1 %
Temp. sensor	Digital thermometer		

* These items in the red frame are the optional accessories.

* The specifications maybe changed without notice. 2021.12 V1.0