

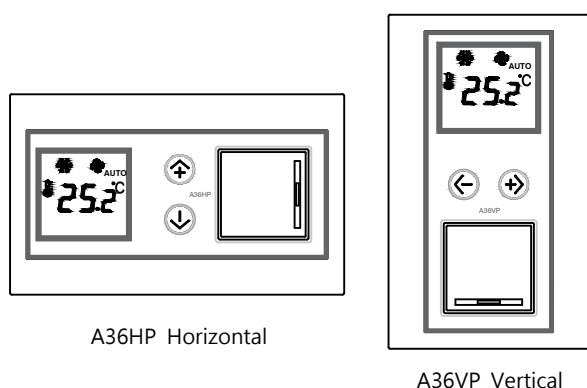
A36XP LCD Digital Thermostat

● Features :

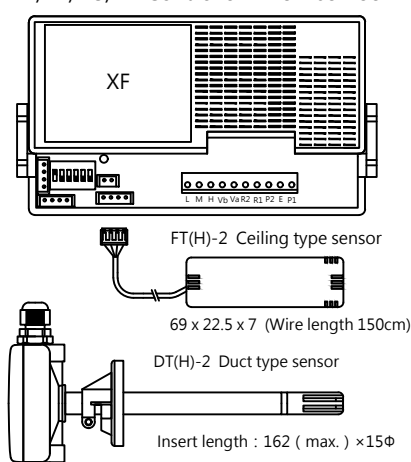
- LCD back-light screen control panel
- Standard American size. ● 0.1°C Temperature accuracy.
- Only 3 popular function key (up/down/power) design
- Smart progressive speed up/down keys.
- Several controllers fit 3 speed or EC motor for FCU and AHU.
- Fusion 3 speed fast & 20 speed fine-tuning for the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



● Dimensions : (L x W x H) mm



XF/XE/XU/XA Controller 115 x 68 x 38



ST-2 Tube type sensor
* Wire length 150cm
* SUS304 steel tube

● Operating Instructions :

- | | |
|-----------------|--|
| Power ON/OFF | ● Press  key will power-on or power-off the air-conditioning |
| Temp. adjust | ● Press  key to raises or  key to reduce the temperature degree |
| Back-light mode | ● Keep touch 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 | <p>● Press  &  key will change the operating mode as following order :
Cool  > humidity  > Fan only  (> Heat  (> Auto )> Cool  cycling.</p> <p>★ 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.</p> <p>★ Connected with the cool/heat controller : Allowed select into heat  mode.</p> <p>★ Connected with the 4-pipe/heater controller : Allowed select into auto  mode.</p> |
| Fan speed | <p>● Press  &  key once to select fan speed as following order :
Auto  > High  / > Middle  // > Low  > Auto  cycling.</p> <p>● How to select manual 20 section speed ? (Only for XE controller)
When into the fan select mode, once touch the  key to raise 1 section till speed 20 (max.) or the  key to reduce 1 section till speed 1 (min.).</p> <p>★ Some of the air-conditioning system may not allow into some inappropriate speed.</p> |
| Lock & Unlock | ● Keep touch 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. |

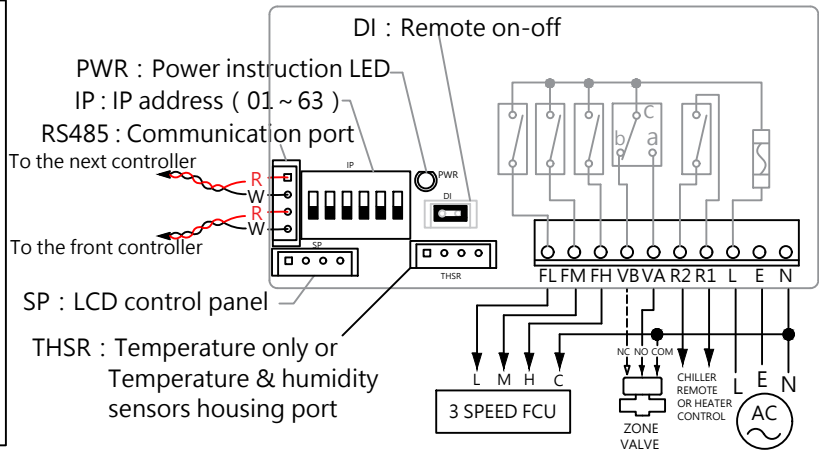
★ The difference of the display and setting degree effected by the air-conditioner's ability or the change of loading , There is no any guarantee to whether the same value or the tolerance degree about this thermostat.

● Wiring diagram :

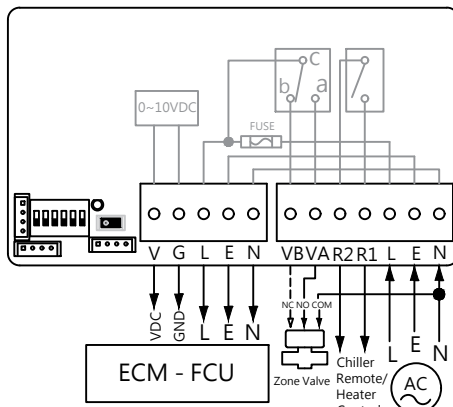
NOTICE

- ✱ 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.

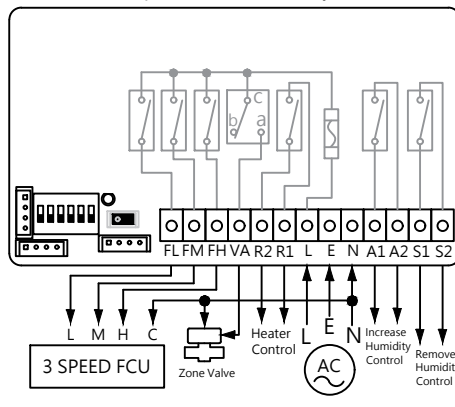
● XF 3 speed controller



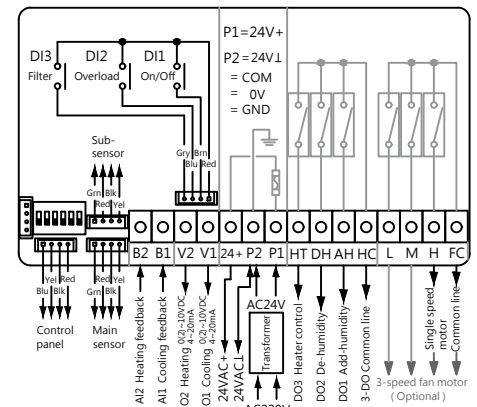
● XE EC motor controller



● XU 3 speed with humidity controller

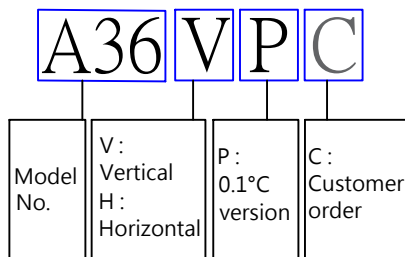


● XA AHU P+I controller

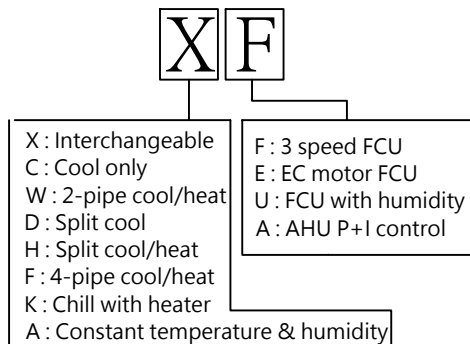


● How to order :

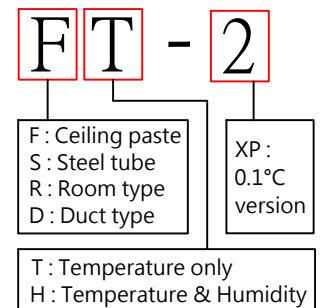
LCD Control Panel



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	Compound Press key	Air volume control	3 speed (XF) / 3 & 20 speed (XE) auto/manual
Control panel	American Standard size ; Vertical or horizontal	Communication wire	Panel vs controller: 0.5mm ² x 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	Humidity sensor	Integrated circuit module
Temp. detect range	-55.0~125.0 °C	Humidity set range	20 ~ 90 %
Operation mode	Cool / Humidity / Fan only (/ Heat) (/ Auto)	Humidity detect range	20 ~ 90 %
Protect class	Control panel: IP53 Tube type sensor: IP65	Humidity resolution	1 %
Output capability	3-speed : 5A/220VAC ; Valve / Chiller : 3A/220VAC		
Temp. sensor	Digital thermometer		

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

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