

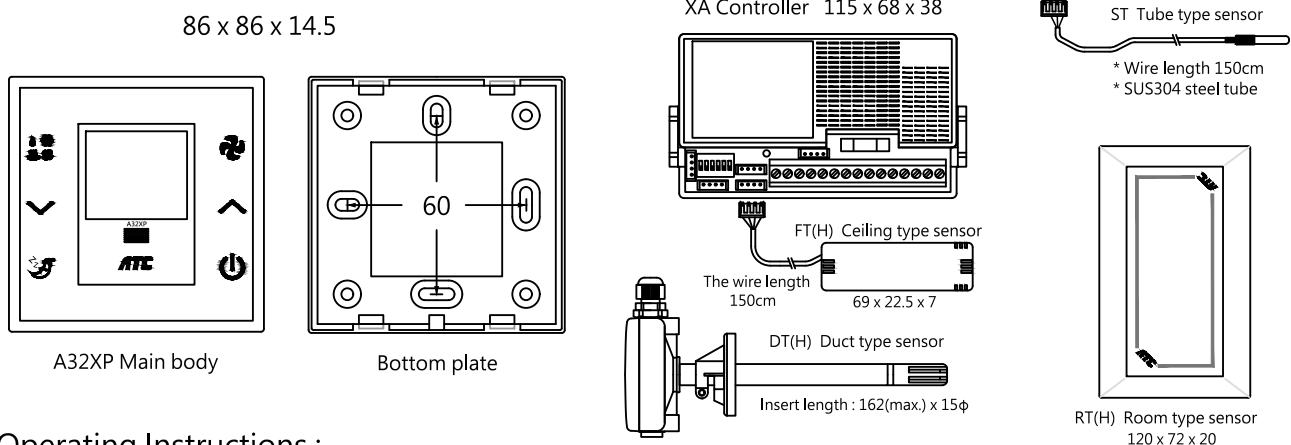
A32XPXA LCD Thermostat For AHU

Features :

- Standard European size. ● Adjustable lighting level LCD screen.
- Intuition graphic touch keys. ● 0.1°C Temperature accuracy.
- Smart progressive speed up/down keys.
- Fusion 3 speed fast & 20 speed fine-tuning for the fan control.
- Dual 0-10V modulating output/input. ● 6 Relay on-off output.
- 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) unit mm

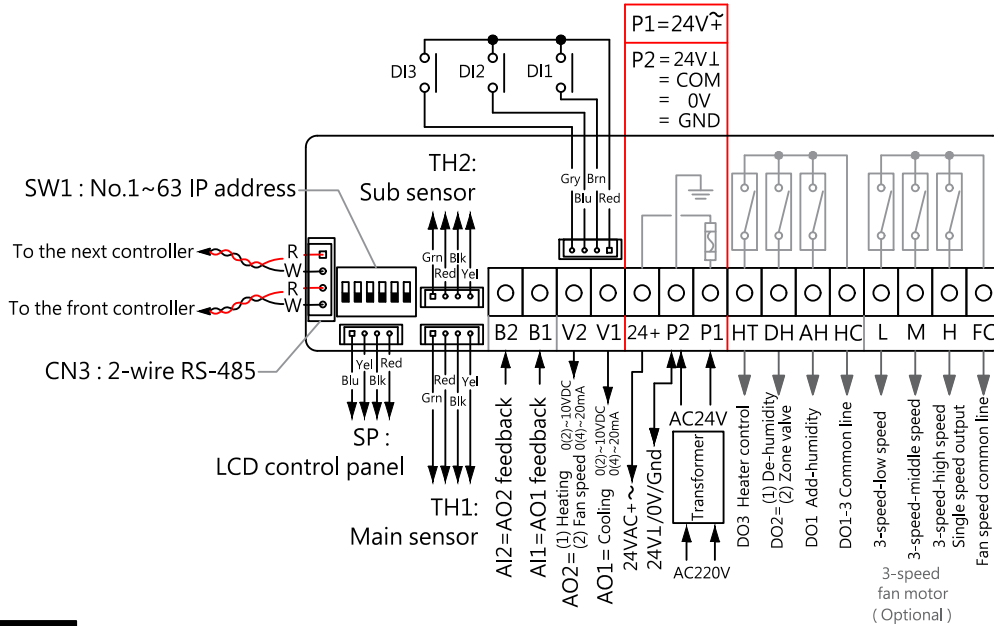


Operating Instructions :

- | | |
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| <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Power ON/OFF</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Temp. adjust</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Back-light mode</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Fan speed</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Mode select</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Timer on/off</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Sleep mode</div> <div style="border: 1px solid black; padding: 2px;">Lock & Unlock</div> | <ul style="list-style-type: none"> ● Touch the key once will start or stop the air-conditioning operating. ● Touch the key to raises 0.1°C or the key to reduce 0.1°C, Keep touch the key to raises or the key to reduce 0.1°C quickly. ● Keep touch the & key till the beeper sound will change the back-light mode into the lighting 12 seconds mode, Once again will back to the on-bright/off-dark mode. ● Touch the key once to select fan speed as following order : Auto > High / > Middle // > Low > Auto circling. ★ When into the fan select mode, once touch the key to raise 1 section till speed 20 (maximum) or the key to reduce 1 section till speed 1 (minimum). ★ Some of the air-conditioning system may not allow into some inappropriate speed. ● Touch the key will change the operating mode as following order : Cool > humidity > Fan only (> Heat)(>Auto AUTO)>Cool circling. ★ If the humidity sensor was equipped,the screen can show and set the humidity level from 20%~90% in the humidity mode, If doesn't, the "Hd" will shown on the screen. ★ If the panel connected with the cool/heat controller,it will be allowed to select heat mode, connecting with the 4-pipe controller will be allowed to select auto mode. ● Touch the & key when power-on will into the timer-off mode, touch the & key when power-off will into the timer-on mode, use the & key to input or modify the hours, it must be touch the & key once again to start the timer. ● Touch the key 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 touch the key over 5 second when the A/C is power-on will into the back-light brightness adjust mode, Touch the & key to select most favorite brightness. ● 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. |
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★ 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.

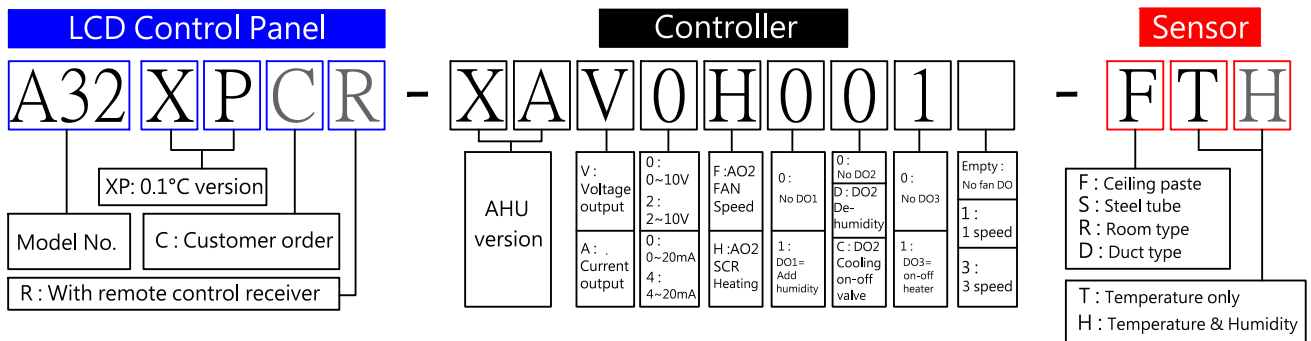
◎ XA controller wiring diagram :



NOTICE

- ★ The main sensor must position in the path of return air and the sub sensor always position in the vent air.
- ★ Removed or isolated the unused wire connectors.
- ★ 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 AWG22x2C shield cable according with " one-in & one -out " rule connecting with all of the devices, Never set any branch in the halfway.
- ★ The RS-485 cable have to connecting 2 terminal register (120 Ω) on first and last devices.

◎ How to order :



◎ Technical Specifications :

| | | | |
|--------------------|---|-----------------------|--|
| Input power | AC 24V, 50/60Hz general | Support fan motor | 1 or 3-speed / 0~10VDC for EC or Inverter |
| Display type | LCD with LED back-light screen | DI / DO No. | DI x 3 / DO x 6 |
| Operation key | Graphic CVD touch key | AI / AO No. | AI x 6 / AO x 2 |
| Control panel | European size 86x86 mm | 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 | 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 | semi-conductor thermometer | | |

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

* The specifications maybe changed without notice. 2022.11 V1.1