

Product Code	Description
HC4201TA-92M	12VDC Segment LCD Thermostat (cooling/fan/heat): with isolated RS485



HC4201TA-92M

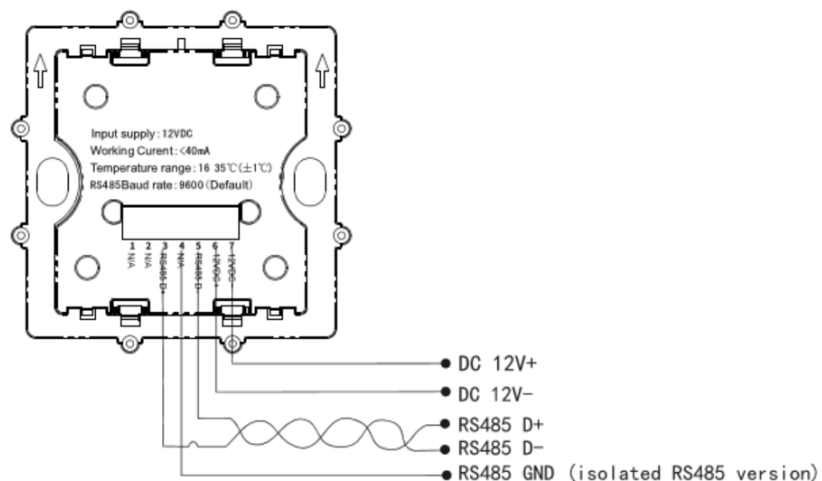


Product back view

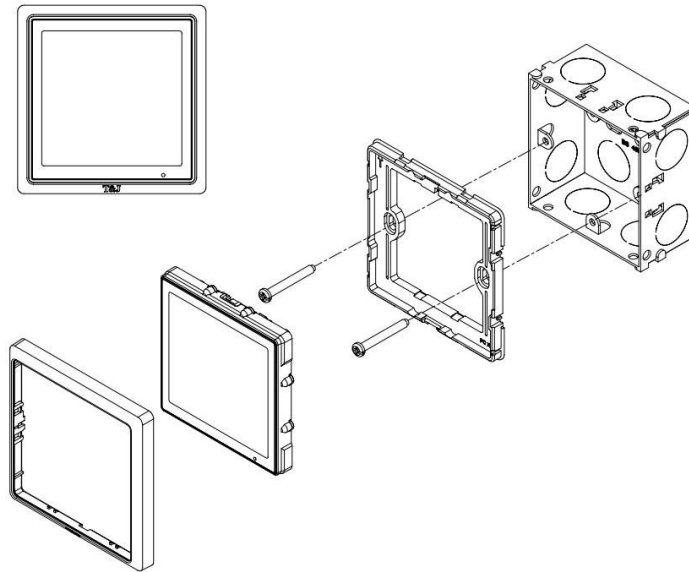
Technical Specification

- Supply voltage: 12VDC
- Power consumption: <0.3W, <40mA
- Recommended wire size:
0.5 mm² - 1.2 mm²
- Temperature setting range: 16-35°C
- Temperature accuracy: ±1°C
- Temp. compensation range: ±5°C
- Isolated RS-485 communication port
- Compatible to B32C/B33C FCU Controllers
- Dimensions:
86 x 86 x 10 mm (WxHxD)
- Fix Center: 60.3mm
- Fix Screw: M3.5 x 0.6 x 30mm±
- Mounting box: >23mm depth
 - R1150, flush mounting, plastic (80 x 80 x 48.4mm) (WxHxD)
 - M1247, flush mounting, metal (79 x 73 x 47mm) (WxHxD)

Wiring Diagram:



Installation Method



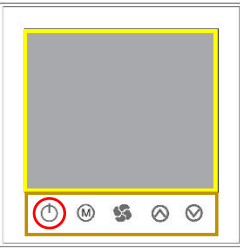
Installation Note:

- Wire according to the wiring diagram, otherwise it may cause damage to the product.
- Do not press on the LCD screen or the sides, this may cause the display screen to break or crack.
- Ensure the mounting surface is flat, do not knock on the product during installation.
- Connect RS485 GND to a common signal reference (0V) if port isolation is not available.

Other product options available:

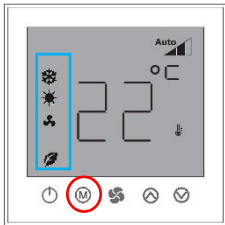
Product code	Supply Voltage	Cooling + Fan mode	Heating mode	Dry mode	RS-485 Communication Port	
					Non-Isolated	Isolated GND
HC4201TA-00	100-240VAC	●				
HC4201TA-00A		●			●	
HC4201TA-00M		●				●
HC4201TA-02		●	●			
HC4201TA-02A		●	●	●		●
HC4201TA-02M		●	●	●		●
HC4201TA-90M	12VDC	●				●
HC4201TA-92A		●	●		●	
HC4201TA-92M		●	●	●		●
HC4201TA-93A		●	●	●	●	●
HC4201TA-93M		●	●	●	●	●

Thermostat Button - Operation

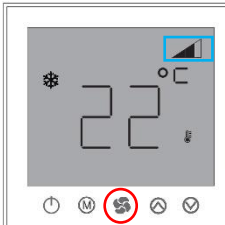


LCD Display area
Button Press area

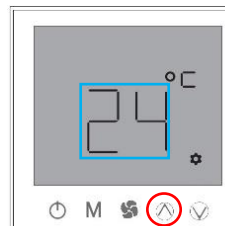
Press to turn thermostat **On/Off**



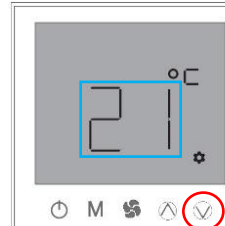
Press to select different aircon **Mode**: Cool -> Heat -> Fan -> Eco*



Press to select different **Fan Speed**: Low, Mid, High, Auto



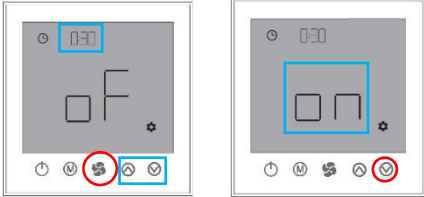
Press to **increase** Set temp.









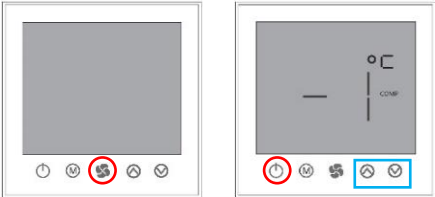
Press to **decrease** Set temp.






***Eco – Economy or Energy-Saving mode:**
 In Cooling mode: set temp. to 25°C, Low fan speed
 In Fan mode: set Low fan speed

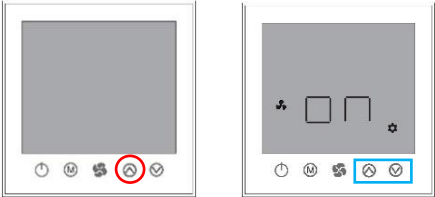
Thermostat Button - Setting








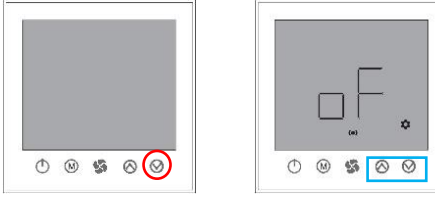
Thermostat OFF (delay) timer:
 Long press  >5 secs.
 Press   to set delay-off time (steps of 30 min)
 Press  again to enter set time
 Press  to “on”/enable the off timer
 Press  again to confirm & exit








Temperature compensation:
 Press  to off the thermostat
 Long press  >5 secs.
 Press   to set temperature compensation ($\pm 5^{\circ}\text{C}$)
 Press  again to confirm & save

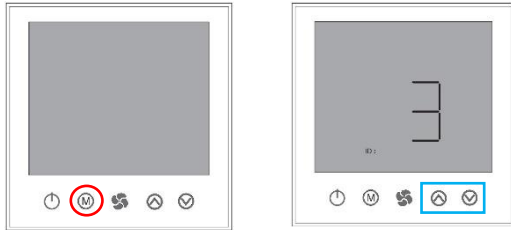


Fan On or Off when Set temp. is reached:
 Press  to off the thermostat
 Long press  >5 secs.
 Press   to set fan On or Off
 Press  again to confirm & save



Beep sound mute On/Off
 Press  to off the thermostat
 Long press  >5 secs.
 Press   to set beep On or Off
 Press  again to confirm

Set MODBUS ID (Factory default ID: 3)

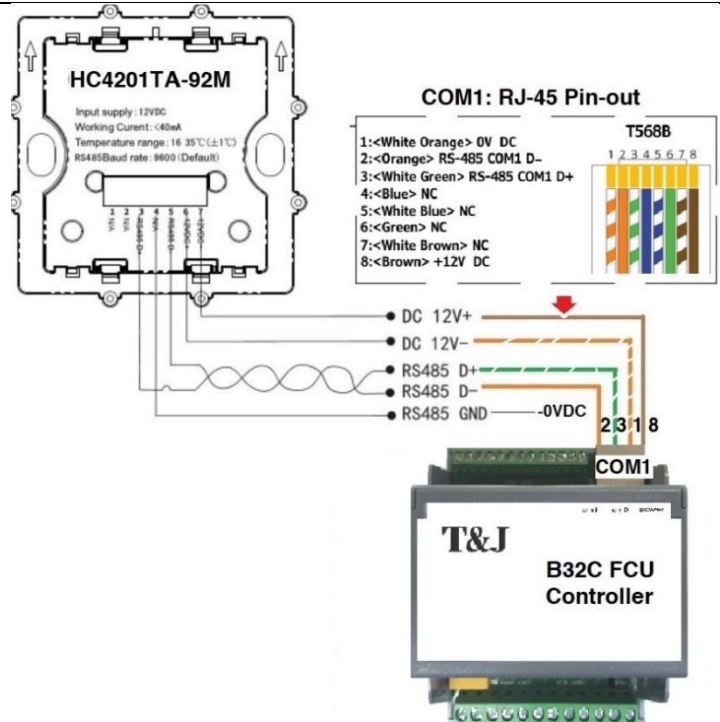


Press to off the thermostat
 Long press >5 secs.
 Press to set Modbus ID
 Press again to confirm & save

RS-485 comms. port parameters:

9600 bps,
 8 data-bits,
 2 stop-bits,
 Parity: None

Typical connection to B32C FCU Controller



Product Code	Colour
HC4201TA-92M	White
HC4201TA-92M-SBL	Matt Black (SBL)
HC4201TA-92M-MSB	Matt Silver Black (MSB)
HC4201TA-92M-PS7	Dark Champagne (PS7)
HC4201TA-92M-ST5	Champagne Grey (ST5)

For other colours, please contact T&J Sales representative

