

TC300 Series-Hotel Application Stand-alone Digital Fan Coil Thermostat

- Modern appearance
- Large, blue backlit, LCD screen
- Eco button for energy saving
- Sleeping mode for energy saving
- Energy savings mode-external energy savings input from occupancy sensor or hotel cardkey overrides comfort setpoint with setback heating or cooling setpoint
- Energy saving input configurable, normally open or normally closed
- Real time display
- Optional remote sensor
- Button lockout function avoids unauthorized operation
- Non-volatile memory (EEPROM) retains user setting during power loss
- Low temperature protection
- Standard 86x86mm box for installation
- Temperature sensors are provided with failure alarm function to facilitate maintenance



Specification

- Sensing element: NTC
- Control accuracy: $\pm 1^{\circ}\text{C}$
- Setpoint range: $5 \sim 35^{\circ}\text{C}$
- Display range: $0 \sim 50^{\circ}\text{C}$
- Operating environment: $0 \sim 45^{\circ}\text{C}$
- Environment humidity: $5 \sim 95\%$ RH (non-condensing)
- Button: Touch button
- Power requirement: $< 1 \text{ W}$
- Power supply: AC $85 \sim 260 \text{ V}$, 50/60Hz
- Terminals: can be connected to $2 \times 1.5 \text{ mm}^2$ or $1 \times 2.5 \text{ mm}^2$ conductors
- Load current: 2 A (resistive load), 1 A (inductive load)
- Enclosure: Flame-retardant PC engineering plastic
- Dimensions: $88.5 \times 86 \times 16 \text{ mm}$ (W x H x D)
- Hole pitch: 60 mm (standard)
- Protection class: IP30

Energy saving mode

Press Eco button to start the energy saving mode. If the thermostat runs in cooling mode the temperature will be set to 26°C automatically and the fan will operate at low speed. If the thermostat runs in heating mode the temperature will be set to 18°C automatically and the fan will operate at low speed. To exit the energy saving mode, press Eco again or press " \blacktriangle " or " \blacktriangledown ".

Energy-saving mode of room key: It can be switched into energy-saving mode by room card and occupancy sensor. For example, after room key is taken out, if thermostat is in cooling mode, the temperature will be automatically set at 28°C and fan is on low speed; if thermostat is on heating mode, 16°C will be set automatically with fan operating at low speed; the mode that guest has previously chosen will be switched back after the room key is plug in.

Sleeping energy-saving mode: Under this mode, thermostat will set temperature from 12pm with 1°C up or down every one hour and mode is ended at 3am, with a total change of 3°C . Under cooling mode, the temperature for sleeping mode will not exceed 26°C ; under heating mode, no less than 18°C will be set on. Thermostat will set temperature from 4am with 1°C down or up every one hour, until it comes back to the degree that guest has previously chosen at 7am.

Timing setting function

During power on, press and hold M button for 3 seconds to enter the display screen. Press M button again to select hour, minute, week parameters. Press " \blacktriangle " and " \blacktriangledown " to adjust this parameter.

Button lockout function

Button lockout: Pressing and holding " \blacktriangle " and " \blacktriangledown " at the same time for five seconds will activate keypad lockup function to prevent thermostat operation by others. Once this function is activated, press and hold " \blacktriangle " and " \blacktriangledown " at the same time for five seconds to unlock the buttons.

Low temperature protection function

If the thermostat is powered off and the room temperature drops below 5°C , the thermostat will start automatically for heating and display the " \blacktriangle " symbol. The fan will run at high speed automatically and the motorized valve will be opened (hot water valve will be opened for A4DLS model). When the room temperature rises to 7°C , the thermostat will automatically switch off the output.

Model description

TC303 -3 □

A2DLS: Designed for two-pipe systems and used to control two-wire motorized valves and three-speed fans. Once the temperature setting is reached, the motorized valve will be shut off and the fan will continue to run (factory default) or shut down (with configurable parameter).

A4DLS: Designed for four-pipe systems and used to control two-wire cold/hot motorized valves and three-speed fans. Once the temperature setting is reached, the motorized valve will be shut off and the fan will continue to run (factory default) or shut down (with configurable parameter).

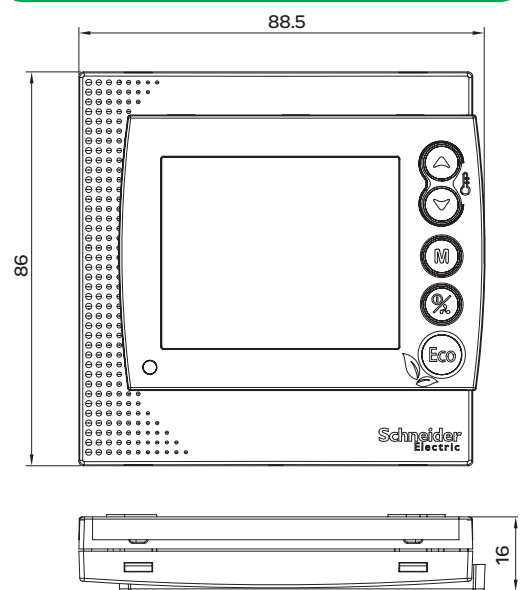
It can also be adapted to two-pipe systems through parameter adjustment in order to control three-wire motorized valves. In this case, once the temperature setting is reached, the motorized valve will be shut off and the fan will continue to run (with configurable parameter) or shut down (with configurable parameter).

Accessory

IR-300: Remote controller

RS-03: Remote sensor

Dimension



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