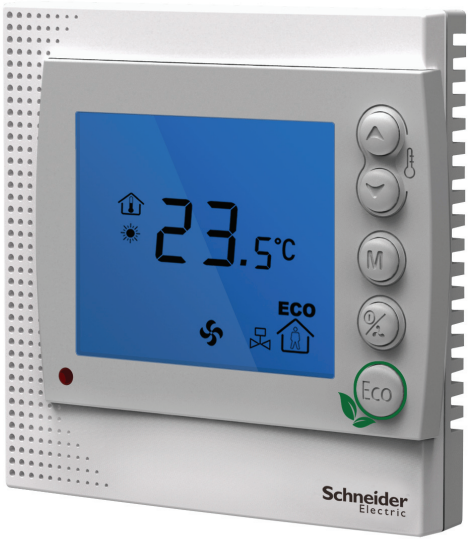
TC300 Series Stand-alone Digital Fan Coil Thermostat



Schneider Electric

Feature

- Modern appearance
- Large, blue backlit, LCD screen
- Eco button for energy saving
- Button lockout function avoids unauthorized operation
- Non-volatile memory (EEPROM) retains user setting during power loss
- Low temperature protection
- Standard 86x86 mm box for installation
- Temperature sensors are provided with failure alarm function to facilitate maintenance

Specification

- Sensing element: NTC
- Control accuracy: ±1°C
- Setpoint range: 5 ~ 35°C
- Display range: 0 ~ 50°C
- Operating environment: 0 ~ 45°C
- Environment humidity: 5~95% RH (non-condensing)
- Button: Touch button
- Power requirement: < 1 W
- Power supply: AC 85 ~ 260 V, 50/60Hz
- Terminals: can be connected to 2 x 1.5 mm^2 or 1 x 2.5 mm^2 conductors
- Load current: 2 A (resistive load), 1 A (inductive load)
- Enclosure: Flame-retardant PC engineering plastic
- Dimensions: 88.5 x 86 x 16 mm (Wx 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 " ▲ " or " ▼ ".

Button lockout function

Button lockout: Pressing and holding " ▲ " and " ▼ " 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 " ▲ " and " ▼ " 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 " ⚠ " symbol. The fan will run at high speed automatically and the motorized valve will be opened (hot water valve will be opened for A4L model). When the room temperature rises to 7°C, the thermostat will automatically switch off the output.

Model description

TC303 -3☐

A2L: 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).

A4L: 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).

Dimension