TC350 Series
Stand-alone Programmable
Fan Coil Thermostat

Schneider Electric

Feature

- Modern appearance
- Large, blue backlit, LCD screen
- Eco button for energy saving
- Weekly programmable control application
- Working day timing power on and power off
- 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: ±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 " ▼ ".

Program setting function

Program setting function:During power on, press and hold "M" and " ▼ " buttons for 3 seconds to enter programmable setting display screen. Press M button again to enter 7 days 4 phases and temperature setpoint parameters. Press " ▲ " and " ▼ " to adjust this parameter.

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, working day timing on, working day timing off parameters. Press " ▲ " and " ▼ " to adjust this parameter.
Factory default parameter:working day(Monday to Friday) timing on is 8:00, timing off is 18:00.

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.

Alarm

If a failure occurs in the sensor, the thermostat will shut off the fan and the motorized valve and display " ✖ " and E1 or E2. E1: Sensor short-circuit alarm. E2: Sensor open-circuit alarm. HI will be displayed if the temperature is higher than 50°C. LO will be displayed if the temperature is lower than 0°C.

Model description

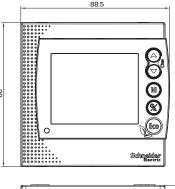TC353 -3□

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

2011.07