

TC350 Series Digital Fan Coil Thermostats



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The TC350 Series fan coil thermostats are optimised for office building, hotel and residential applications. The TC350 Series can be used for two-pipe or four-pipe applications. Their simple design makes them suitable for any contemporary building. They are both easy to operate and install.

The TC350 features microprocessor-based control and a large backlit LCD screen. The LCD display modes include operation status (cooling, heating, and ventilation), fan speed, room temperature, and set-point.

Specifications

Sensing element 10K NTC (3950)
 Accuracy ±1°C
 Set-point range 5~35°C
 Display range 0~50°C
 (shown in 0.5°C increments)
 Operating temperature 0~45°C
 Operating humidity 5~95% RH (non-condensing)
 Power requirement < 1 W
 Power supply 85~260VAC, 50/60Hz
 Terminals can be connected to 2 x 1.5 mm² or
 1 x 2.5 mm² conductors
 Switch current rating 2A resistive, 1A inductive
 Protection class IP30
 Housing Flame-retardant PC
 Dimensions 88.5 x 86 x 16 mm
 (3.38" x 3.48" x 0.63")
 Hole pitch 60 mm (standard)

Features

- Modern appearance
- Large, blue backlit, LCD screen
- Eco button for energy saving
- Weekly scheduling application
- Button lockout function controls unauthorised operation
- Non-volatile memory (EEPROM) retains user settings during power loss
- Low temperature protection
- Standard 86x86mm box for installation
- Temperature sensors are provided with failure alarm function to facilitate maintenance
- Deluxe models include:
 - Occupancy/Card Key input
 - Real-time display
 - Optional remote temperature sensor

Part numbers

Part Number	Description	Application	Scheduling	Real Time
TC353-3A2L	FCU Thermostat for 2-position on/off actuator (2-wire)	2-pipe	Yes	No
TC353-3A4L	FCU Thermostat for 2-position on/off actuator (2-wire)	4-pipe	Yes	No
TC353-3A2DLS	Deluxe FCU Thermostat for 2-position on/off actuator (2-wire)	2-pipe	Yes	Yes
TC353-3A4DLS	Deluxe FCU Thermostat for 2-position on/off actuator (2-wire)	4-pipe	Yes	Yes
IR-300	TC3xx IR Remote Control			
RS-03	10k NTC Remote Sensor - 3m (10pcs)			

Functions

Set-point Adjustment - The set-point buttons allows users to adjust the set-point (in 0.5°C increments) for the space.

Fan Speed - Users can select fan speed (High, Medium, Low and Automatic) by pressing the Power/Fan button.

Mode Control - Users can switch operating modes (Heating, Cooling, or Ventilation) by pressing the mode button.

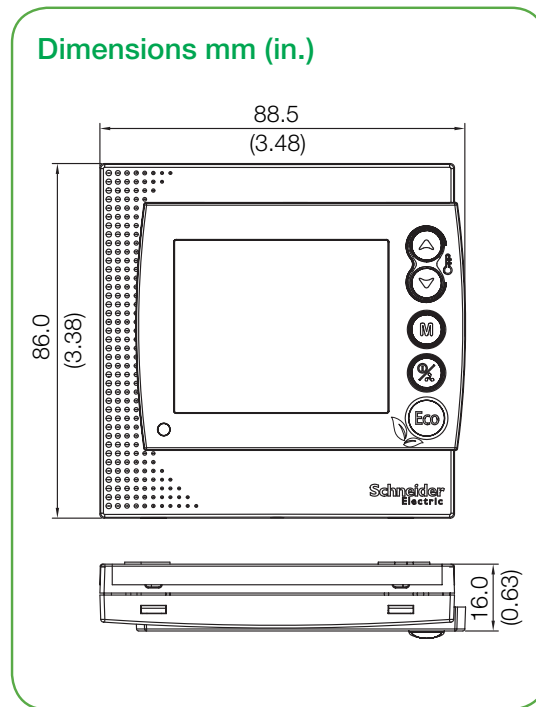
Eco Saving Mode – Pressing the Eco button starts the energy savings mode. In cooling mode, the set-point is automatically adjusted to 26°C and the fan speed is set to Low. In heating mode, the set-point is automatically adjusted to 18°C and the fans speed is set to Low. The user can exit the energy saving by pressing the Eco button.

Weekly Scheduling Function – Allows the user to configure a weekly schedule with up to 4 phase changes.

Button Lockout Function – Allows the buttons to be deactivated to prevent thermostat operation by others.

Low Temperature Protection – If the room temperature drops below 5°C, the thermostat will start automatically and the fan speed will be set to high. Once the temperature reaches 7°C, the thermostat will switch off the output.

Alarm – In the event of a failure, the thermostat will shut off and the valve will close, and thermostat will display one of 4 error messages



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