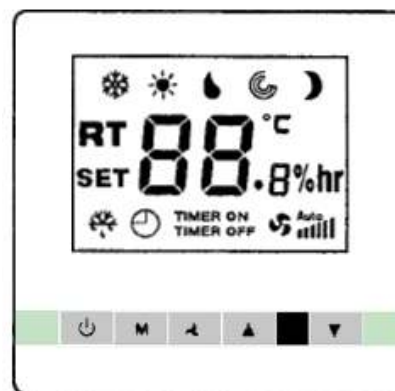


TSR03FXL-XX Digital Fan coil Thermostat

General

- The TSR03FXL series digital thermostats are designed For the fan or valves in heating and cooling system.
- It's a microprocessor based controller with digital LCD display.
- The controller is used to control room temperature in industrial, commercial and residential environment via controlling on/off or modulating electric valves or dampers with 0~10V DC(2~10V DC) signal or 3-position floating control signals.
- The fan speed can be set to automatic or manual three speed mode.











Features

- Digital display of sensing temperature and user selected temperature setting on demand, easy for use.
- Large LCD display with green or blue or white backlight.
- 0~10V DC or 2~10V DC modulating signals. Other output signals are possible upon order.
- Slim design direct installation on 86mm box or small other boxes.
- Other models are available for built-in or remote sensor as an option.
- Non-volatile memory(EEPROM) retains user settings during power loss.
- Adjustable maximum and minimum set point limits.
- 24V DC/80mA SMPS inside, it can drive 24V DC electronic actuator, helps you to save money.
- Control off output and show temperature value when system switch at "Off" Position.

Technical parameters

- Power Supply : 75~250Vac(24VAC \pm 10%, Option), 50/60Hz
- Output levels: Relay contacts/0~10VDC, 2~10VDC special 24VDC/80mA for actuator.
- Control performance: on/off, or Proportional
- Remote control output: SPST normally Open(N.O) dry contact
- Set point range: 5~35°C
- Display range : 0~ 40°C
- Sensing element: NTC B=3380 10K @ 25 °C
- Setting units :0.5°C/ step
- Indication accuracy : 0.1°C

Operation Guide

- By pressing () you can turn on or turn off the power. In the shutdown state, it display the current room temperature.
- The temperature setting: press () or ()
- The cooling set : Press () key until display () gleaming. It will be confirmed after 5 seconds.
- The heating set : Press () key until display () gleaming, It will be confirmed after 5 seconds.
- The wind speed selection: turn on () to choose the wind speed, there are (high)

(middle) (low) and (automatic)

Press (▲) or (▼) to set [high] [middle] [low] [automatic]

- Under the mode of automatic , the wind speed will switch automatically according to the setting value and the measurement value.
- The timing set: Time set can be only by a remote control.

System Menu

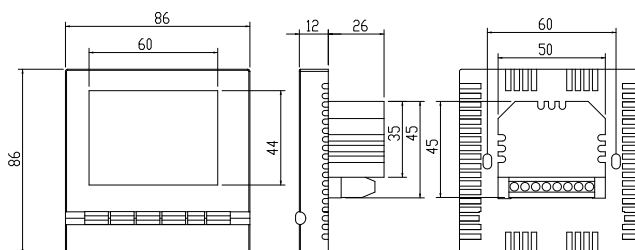
If you need to go into the system menu, please touch () in power off, and power on, you can use up / down key to change values.

Item	Settings	Range
1	Calibration measured value First line: corrected value Second line: calibration value	-5.0 to 5.0
2	Output signal change (only for H7X model)	1: 0~10Vdc 2: 2~10Vdc
3	Integral time (only for H7 model)	10~250sec 10 sec/step default: 120sec

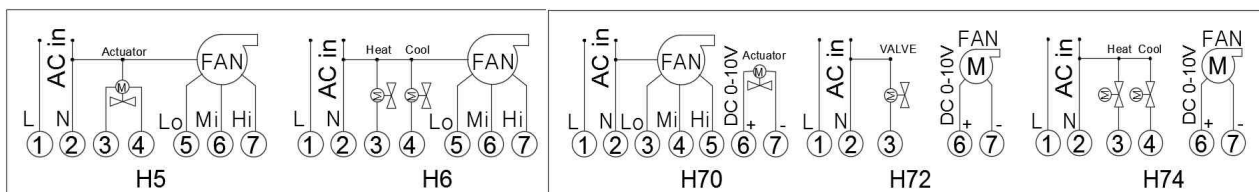
Icons

	Selection Cool or Heat
	Power switch
	Actuator On
	Fan speed switch L,M,H-Auto
	Up/Down Key

Dimension



Connection Diagram



Warranty service

18 month warranty service is from the date of purchase.

Note: The service center shall not be liable for any LCD scratch, breakage or damages to wire, back board, shell power supply board while installation process.

Sales support

The products of our company may enjoy life-long service in accordance with regulations; the company will make a certain charge to the service out of the warranty period or product quality.