

Product Datasheet

SK-TP011 485 Smart LCD temperature control
panel



Product model	Description
SK-TP011	Product Name: 485 Smart LCD temperature control panel Supply Voltage: DC 12V Communication Interface: RS485

◆ Product Overview

The SK-TP011 is an LCD room thermostat control panel that utilizes large-screen digital display control technology, featuring a wide-viewing angle LCD screen and touch-key operation. With an RS485 communication interface, it works in conjunction with the Room Control Unit (RCU) to achieve air conditioning control.

◆ Product Main Features

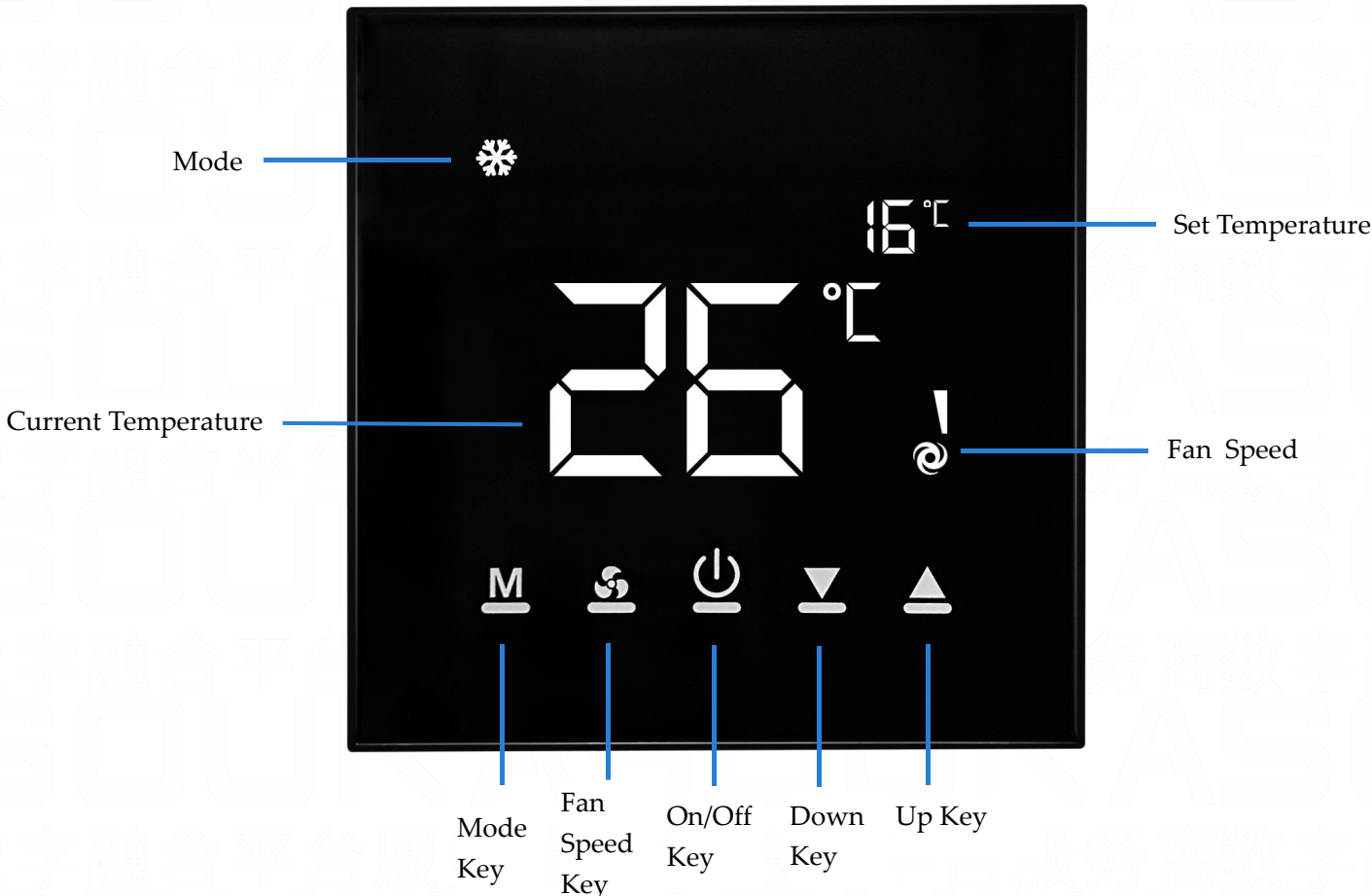
- Communication Interface: RS485.
- Wide-viewing angle, large-screen LCD display.
- Touch Keys: Includes Mode key, Fan Speed key, On/Off key, Up adjustment key, and Down adjustment key.
- Display & Settings: The panel can display and set cooling/heating mode, current temperature, set temperature, and operating fan speed.
- Installation: Standard 86-box mounting with a tool-free bracket, ensuring the factory-quality of the thermostat.
- Reliability: Built-in hardware watchdog anti-freeze circuit ensures stable and reliable device operation.

◆ Main Technical Parameters

Basic Parameters Specifications		
Operating Power Supply	Power	DC 12V
Current Consumption		< 100mA
Communication Interface		Standard RS485 Interface
Communication Baud Rate	Baud	9600bps
Temperature Setting Range	Setting	16~31℃
Physical Parameters Specifications		
Housing Dimensions		Standard 86-type switch panel size, fits conventional panel cutouts
Operating Temperature/Humidity		-10℃-45℃、40%-70%
Storage		-40℃-70℃、40%-95%

Temperature/Humidity	
Installation Method	Recessed into wall

◆ Front Panel Diagram



◆ Rear Interface Diagram

