

**Model No:** IRS-TS100, IRS-TS200, IRS-TS300  
**Description:** Thermostat

A thermostat is a device to control the temperature of an indoor environment. It can switch heating or cooling devices on or off, or regulate ventilation and wind speed, so as to maintain the desirable temperature. Integrating HVAC with this automation system helps lower energy bills and enriches user experience.

## Product Specification



IRS-TS100



IRS-TS200



IRS-TS300

### Parameters

Working voltage:	DC 24V	DC 12V	DC 12V
Power usage:	35mA/DC 24V	80mA/DC 12V	80mA/DC 12V
Communication	RoomNet	RS485, asynchronous half-duplex communication	RS485, asynchronous half-duplex communication
Working current:	Max35mA	Max 80mA	Max 80mA
Communication rate:	125Kbps	9600 bps	9600 bps

### Installation

Installation:	Standard 86 box	Standard 86 box	Standard 86 box
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### Environmental

Operation temperature:	0°C - +45°C	-20°C - +55°C	-20°C - +55°C
Operation humidity:	20% - 90%	20% - 90%	20% - 90%
Storage temperature:	-40°C - +55°C	-40°C - +55°C	-40°C - +55°C
Storage humidity:	10% - 93%	10% - 90%	10% - 90%

### Operation

Temperature range:	16° - 32°	10° - 30°	16° - 32°
Temperature control mode	Cool, Heat, Ventilation, Auto	Cool, Heat	Cool, Heat, Ventilation, Dehumidification, Auto

## Features

### IRS-TS100

- LED indicator and LCD Display
- Display temperature, wind speed, time, mode etc.
- Reset function
- Remote programming and management functions
- Can select available or specific scene after resetting device
- Proprietary RoomNet communication

### IRS-TS200, IRS-TS300

- LED and LCD display
- Display temperature, wind speed, mode etc.
- Reset function
- Can select available or specific scene after resetting device
- Modbus transmission control protocol