

KNX/EIB

7" Smart Touch P70 Datasheet

Applicable Model:

LPM-7.0/02.11.12.2

KNX International Standard Home and Building Control System

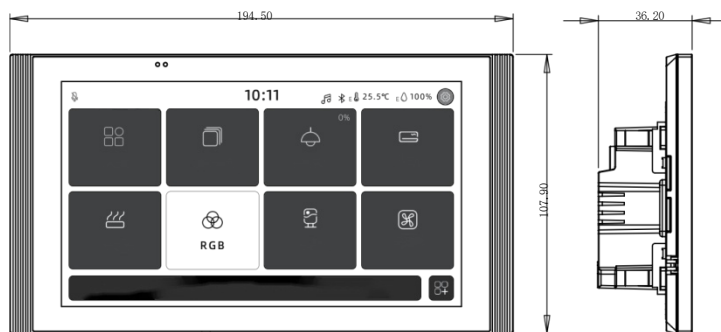
Product Feature

- 7" true-color MIPI screen with a resolution of 720*1280, supporting capacitive touch;
- Supports vibration and buzzer prompt feedback for touch or key operations, and the buzzer intensity can be customized and modified;
- Basic functions such as switch, dimming (dual color), curtain control, scene, and value sending;
- All-in-one temperature control for HVAC, discrete air conditioning, underfloor heating, fresh air, etc.
- RGB & RGBW dimming function;
- Ambient air quality data monitoring;
- Monitoring and display of energy consumption data such as power consumption, current, and voltage;
- Timer function;
- 8 logic group functions;
- 8 logic group functions;
- 8 event group functions (each group has 8 configurable output channels)
- Proximity-sensing screen activation, with configurable parameters to link with other KNX bus devices;
- Display of temperature and humidity sensor parameters, device linkage control, data display and abnormal status alarm;
- Homepage navigation function for quick UI interaction;
- Time and date display and configuration;
- Has functions such as password protection, screensaver, and screen lock. The screensaver and screen off functions are independent of each other, and different screensaver parameters can be selected;
- Theme background selection and configuration, allowing custom picture replacement via SD card;

Technical Parameters

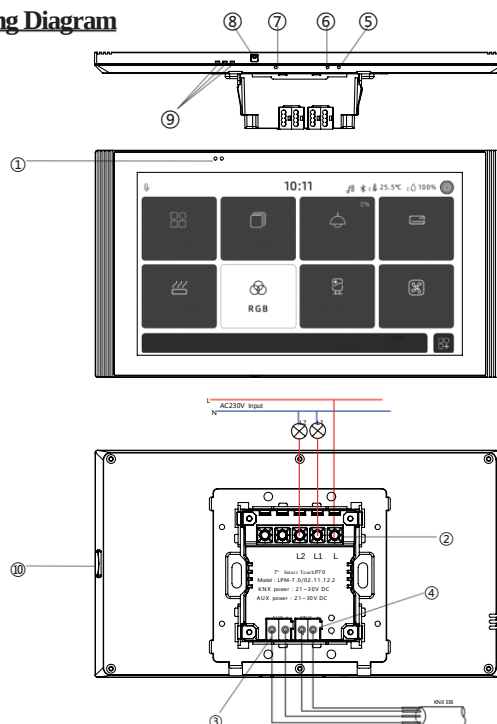
Power	Bus voltage	21-30V DC
	Current consumption via bus	≤6mA (30V DC)
	Power consumption via bus	≤180mW
Auxiliary Power	Voltage	30V DC
	Power consumption	<4W/135mA
Relay Output	NO. of channels	2 channels
	Rated voltage	230V AC (50/60Hz)
	Rated current	8A (4A/channel)
	Max. total power	1800W
Connection	EIB/KNX bus	Terminal connection (red/black)
	Auxiliary power supply	Terminal connection (yellow/white)
Operation & Indicator	Programming buttons	Device programming physical address and diagnostics
	Indicator lights	Red light enters the device to enter programming mode
Temperature Range	Operation	-5℃~+45℃
	Storage	-25℃~+55℃
	Transportation	-25℃~+70℃
Environment	Humidity	<93%, except condensation
Installation	Installation	Standard 86-box wall-mounted

Dimension



Model	Size	Weight
EV-TS07	194.5 x 107.9 x 36.2 mm	0.22kg

Wiring Diagram



- ① Proximity sensor
- ② Switch output & load connection terminal
- ③ Auxiliary power supply connection terminal
- ④ KNX/EIB bus connection terminal
- ⑤ Programming button
- ⑥ Programming indicator light
- ⑦ Reset Button
- ⑧ Temperature & humidity sensor
- ⑨ Speaker
- ⑩ SD card slot

ⓑ Screensaver Setting Reminder:
When using the product, please be sure to enable the screensaver + screen-off function to prevent irreversible shortening of the product's lifespan.

Installation Instructions

This device is suitable for installation in a traditional 86 wall box.

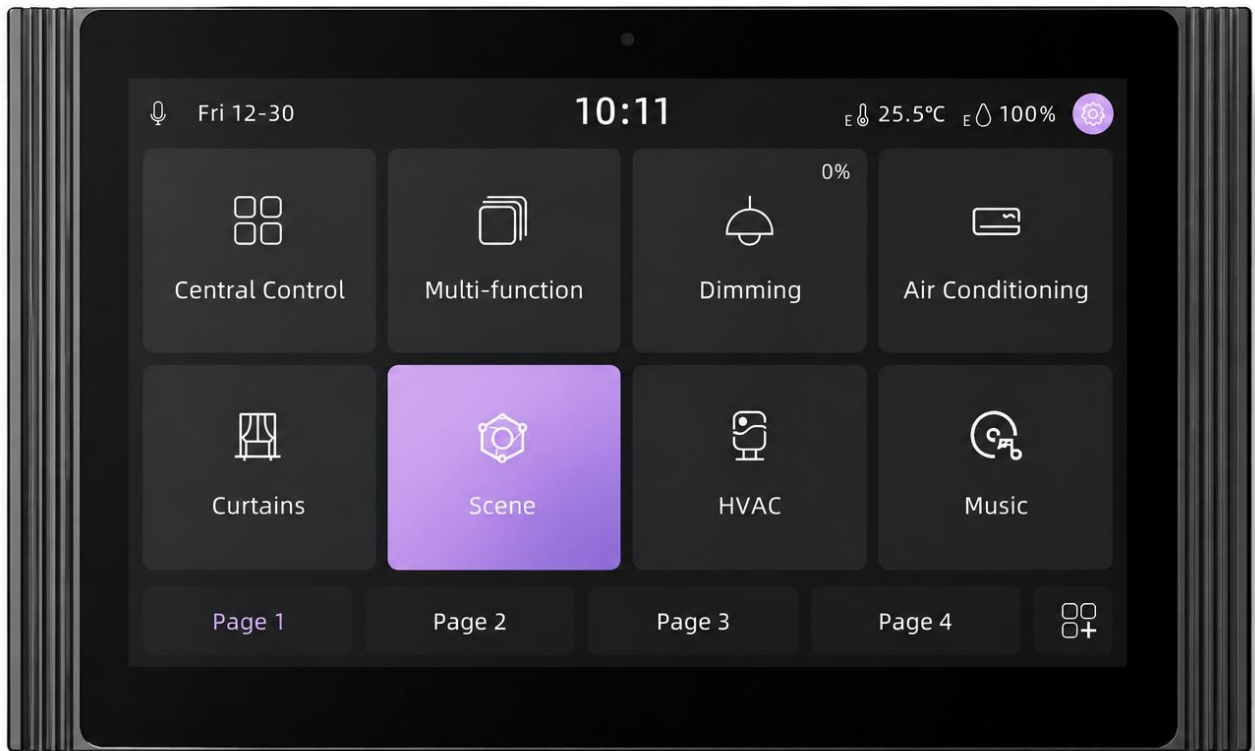
During installation, it is necessary to ensure that the equipment is operated, tested, inspected, maintained, and repaired correctly.

Notes

Installation and commissioning of the equipment may only be performed by qualified and skilled electricians. Relevant standards, directives, rules and instructions must be strictly followed during the planning and implementation of electrical installations.

- Devices need to be protected from moisture, dirt, and damage during transportation, storage, and use;
- Do not operate the device outside specified specifications (e.g., temperature range);
- Device can only be operated in a closed environment (e.g., junction box)

When the device is dirty, only use a dry cloth to clean it. If this is not enough to clean it, use a damp cloth with a little soapy solution and wipe it gently. DO NOT use alkalis or corrosive solvents.



Fri 12-30

10:11



25.5°C



100%



Central Control



Multi-function



Dimming

0%



Air Conditioning



Curtains



Scene



HVAC



Music

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