

PANNOS

Product specification

User interface

- Multi-metal touch control with vibration feedback
- Supports long press and short press for special functions, such as scene change, dimming up/down
- Adaptive back-lit feedback
- OLED display with day/night auto brightness mode
- 3D human motion detection(25-50cm)

Integrated light dimming control

- For switching and dimming of 8 mutually independent groups (8 light zones) of LED lights with dimmable 0-10v driver
- 8 control voltage outputs 0...10 V DC
- Command objects for each actuator channel for switching on/off and set/value
- Output max current for each circuit: 10mA
- 8 output ports and 1 GND port on the back of the device
- Adaptive ambience light control for eye comfort
- Each actuator channel can be enabled and disabled by configuration of ETS5
- Each actuator channel can be controlled by APP

Integrated EnOcean wireless technology

- Radio frequency according to EnOcean standard at 868.3 MHz
- Radio Standard (Modulation) : ASK(Europe)
- Data rate: 125kbps
- · With internal antenna
- Max numbers of ENOCEAN devices can be connected: 20
- Max distances of the RF signal: 30m(indoor)
- Max 10 enocean sub-panels supported
- Each enocean sub-panel with 4 push buttons, each button can be configured as 4 functions: trigger 0/1, always 0, always 1, scene control by scene number.
- Functions of enocean sub-panel are configured by ETS5
- Max 10 enocean motors supported
- Functions of enocean motor can be configured by ETS5
- Max 2 enocean door magnetic switchs supported
- Functions of door magnetic switch can be configured by ETS5
- Max 2 enocean IR sensors supported
- Functions of door magnetic switch can be configured by ETS5
- Each enocean device can be enabled and disabled by configuration of ETS5.
- · Each enocean device can be controled by APP



Integrated enno Wi-Fi module

WLAN Standard: IEEE 802.11b/g/n

Frequency Range: 2.400 GHz ~ 2.497 GHz (2.4 GHz ISM Band)

Supports remote update firmware by server.

Supports local weather and outdoor temperature info update by server.

With internal antenna

Integrated APPLE Homekittechnology

Supports enno iOS app control

Supports Siri control for all the connected devices

Supports scene configuration and group configuration by enno iOS APP

Supports changing name of the devices by APP

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Integrated temperature sensor and humidity sensor

- Supports room temperature detecting, sensing range -10 85°C
- Supports room humidity detecting, sensing range 0% 100%RH

Integrated IR sensor and brightness sensor

- For measuring ambient brightness, sensing range 0 128 klx (direct sunlight)
- For detecting motion, sensing range 25-50cm

Integrated KNX bus technology

- Supports TP-1 twisted pair media, communication rate: 9600 baud rate
- Supports 16 control objects for 0%-100% steps dimming or curtain control, which coded as 0-255 in KNX bus.
- Supports 10 switch objects for switch control.
- Control objects could be configured as these types: RS485 Curtain, 0-10v dimming light, Remote dimming light, movement control.
- Switch objects could be configured as these types: door magnetic switch, floor heating, fresh air, motion sensor, light switch, enocean motor, dry contact devices, general switch, report emergency.
- Supports 10 enocean sub-panels
- Supports 3 air conditioners
- Supports temperature and humidity objects for current environment.
- Supports 16 scenes, scene number: 1-16
- Supports 64 groups for group control.
- Supports scene configuration and group configuration by enno iOS APP after ETS system configuration
- For the parameterization of a KNX system using ETS 5.0

Integrated RS485 bus technology

- Max communication distance : 1219m
- Max transmission rate: 10Mbps
- Max supports up to 32 nodes
- Supports Bacnet protocol
- Supports Modbus protocol and customized protocol
- Bacnet protocol does not operate with Modbus protocol and customized protocol
- Supports device address configured by ETS5
- For the parameterization of the address of RS485 device using ETS5



Power supply

• Rated operation voltage range: 30V DC

• Power consumption approx: 4.8w

• KNX bus voltage range: 30V DC

• Max operation current: 160mA @ 30V

Working environment

• Operation temperature range: -5°C~ +40°C

• Operation moisture range: 20%~75%RH

• Storage temperature range: -10°C~ +50°C

• Storage moisture range: 20%~80%RH

Optional product finish

• Dimensions: 108 m x 108 mm x 36.5 mm

• Weight: 180 g





Space Grey



enno iOS App for Panno S



Enno App, as a professional and convenient smart control application works with Panno S, controls the devices including light, blind, HVAC, door switch etc. in home automation.

APP topology

- The house composed of rooms
- Each room may create up to 16 scenes
- Rooms can show the status of indoor temperature, lights, curtain, door magnetic, in the main screen.
- · Devices are in the Room.
- Devices configured by ETS5, and APP can load the configuration and display on APP

Features

- Pairing with Panno S: create a room named with user's preferences. User can search the available Panno S by edit the room, and complete pairing with Panno S.
- Control and edit scene of the room: The scenes from Panno S synchronize with Enno App, customer could control and edit all scenes by app conveniently.
- Homekit actionset control: user could use personal preference to customize the actionset(special voice command) through enno iOS APP.
- Control the specified devices connected to Panno S. User can control the specified devices including light, curtain, HVAC, door switch etc.
- Timer setup: Customer could add a timer, set the starting time and ending time, and set a actionset to be execute.
- Home control authorization: user could authorize family members to control the house which installed enno iOS app.
- Devices management: user could move device to other rooms.
- Software remote upgrade: user could update the firmware by APP.
- Magic control: user could set the conditions that the HVAC equipment would automatic working.
- Alarm remote push: If an alarm generate, the server will push the message to iphone.
- Background music: users could configure music play to scene, when scene trigger on, the music will be played automaticlly.
- Visual intercom: users could enter visual intercom function by Enno APP.

Download on the App store:

https://itunes.apple.com/us/app/enno/id1033412392



Product installation

For wall installation

Flush-mounting device for mounting in a 86mm * 86 mm installation box, with screw fxing



