Fanora 8 Buttons Smart Panel

Instruction Manual

MPBF-8B-BP.18

Before using this product, please read this manual carefully and keep it properly!

Document Version：C

◇◆ Overview

Fanora 8 Buttons Smart Panel is equipped with mechanical buttons, supporting multiple press modes and button control types. The buttons are laser engraved, and the text can be customized. The color and brightness of the button indicator light can be set through HDL Studio debugging software, and the panel is embedded with jade stones(custom jade material), which can support setting the brightness of the jade light. The product can achieve control over lighting, scenes, curtains, music, etc.

Main Functions:

- Built in temperature sensor: supports sending local temperature values to the bus, used for inputting scene and automation control conditions
- Built-in proximity sensor for detecting human motion. Once the sensor detects nearby human motion, the touch screen automatically wakes up.
- Each button can be customized with laser engraving, supporting up to 4 Chinese characters.
- The color and brightness of the button indicator light can be set through HDL Studio software.
- Button modes: single on/off, single on/off, single off, combination on/off, combination on/off, double-click/single switch, double-click/combination switch, jog, short press/long press, short press/long jog
- Button control types: scene, sequence, time switch, universal switch, single channel adjustment, broadcast scene, broadcast channel, curtain switch, GPRS control, panel control, fire protection module, music control, general control, etc
- Button lock/unlock function
- Support HDL Buspro online upgrade

◇◆ Appearance

The buttons order numbers are as follows:

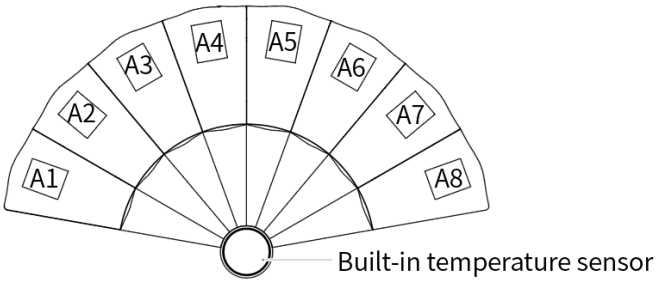


Figure 1

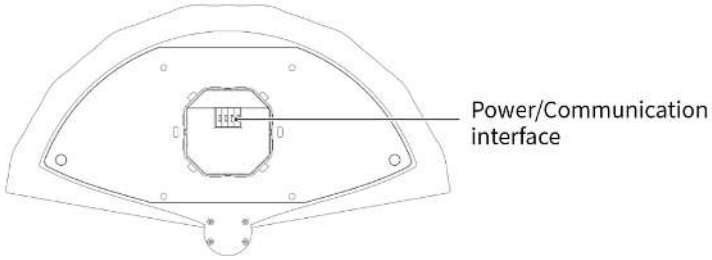


Figure 2

◇◆ Technical Data

Item	Parameter
Rated voltage	24V DC
Rated current	76mA/24V DC
Communication protocol	Buspro
Cable diameter of Buspro terminal	0.6-0.8mm
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%

◇◆ Specifications

Item	Parameter
Dimensions (W X H X D)	255.8×144.1×19.4(mm) (without power interface)
Net weight	600g
Housing material	Aluminum alloy
Installation	Wall box
IP degree (compliant with EN 60529)	IP20

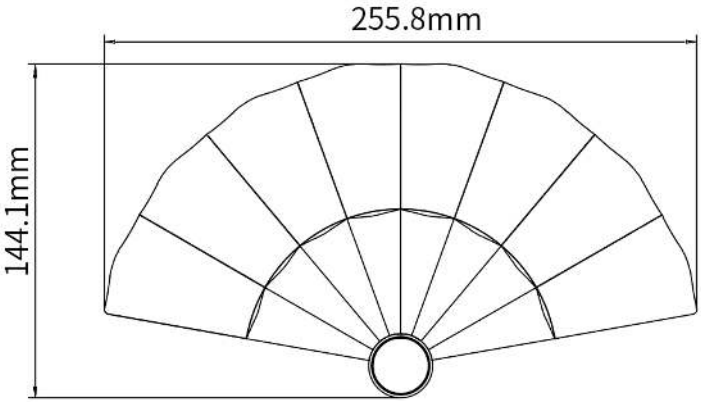


Figure 3

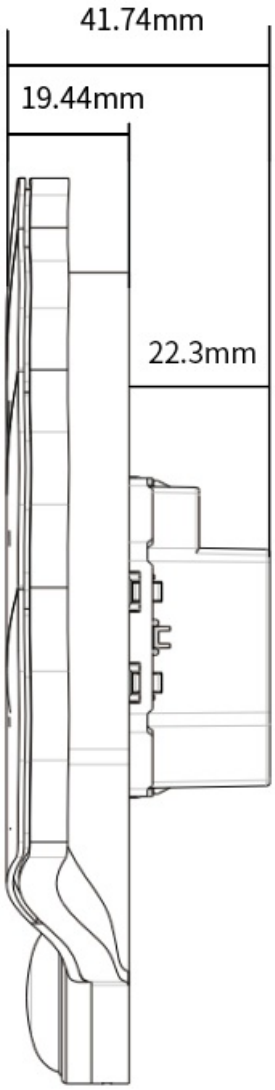


Figure 4

◇◆ Safety Precaution

Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.

Warning:

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. (hereinafter referred to as HDL) or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this datasheet.
- Please contact HDL after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to the warranty.
- It is not allowed to change the usage scenario or conditions, expand the transmission frequency range, increase the transmission power (including installing additional RF power amplifiers), or change the transmission antenna without authorization.
- No harmful interference shall be caused to other legitimate radio stations, nor shall protection against harmful interference be proposed.
- It should withstand interference from industrial, scientific, and medical (ISM) application equipment that radiates radio frequency energy or other legitimate radio stations.
- If harmful interference occurs to other legitimate radio stations, the use should be immediately stopped and measures should be taken to eliminate the interference before continuing to use.
- Radio observatories, meteorological radar stations, and satellite earth stations (including measurement and control, ranging, and reception) established inside aircraft and in accordance with laws, regulations, relevant national provisions, and standards.
- The use of low-power equipment in electromagnetic environment protection areas such as navigation stations, military and civilian radio stations, airports, etc. shall comply with the regulations of electromagnetic environment protection and relevant industry regulatory authorities.
- It is prohibited to use various model remote controllers within a radius of 5000 meters from the center point of the airport runway.
- When using low-power devices, the environmental conditions are -5 ℃~45 ℃ and the input voltage is AC 100-240V (50/60Hz).

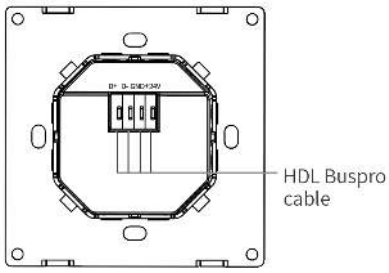
Caution:

- Before performing any installation or disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.
- It is a MUST to install the device with wall box.
- Maximum wireless transmission distance of 30 meters. Due to obstacles that can shorten the wireless transmission distance, to ensure good communication, it is recommended to install this device in an open area and avoid installing it near large metal objects.
- To protect this device and loads, it is recommended that a 5A circuit breaker be connected to each circuit.
- Do not use corrosive liquid to wipe the device body, especially the interface, so to avoid damage to the device.

- Prior to performing maintenance or cleaning on the device, disconnect the device from all voltage sources, to avoid electric leakage and electric shock.

◇◆ Wiring

- The device can be used with Buspro Panel Power Interface.
- For Buspro connection, a hand-in-hand connection is recommended. Please wire according to HDL standards: D+, D-, GND and +24V.



Buspro Panel Power Interface EU

Figure 5

◇◆ Installation

- Warning: Before installation, please cut off the power supply, it is strictly prohibited to operate with electricity.
- Caution: Disconnect the power supply before installation and do not operate with electricity.

Step 1: Install the wall box (the depth of wall box should not be less than 45mm) on the wall and lead out Buspro cable .Connect the cables, and pay attention to safe and reliable wiring.

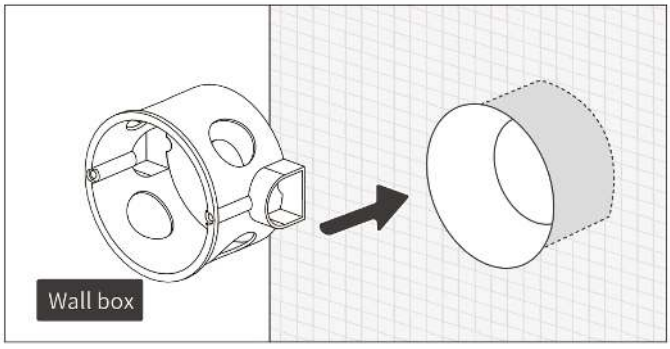


Figure 6

Step 2: Insert the power interface into the frame, aim the screws on both sides of the base at the holes in the wall box, install them together and lock the screws.

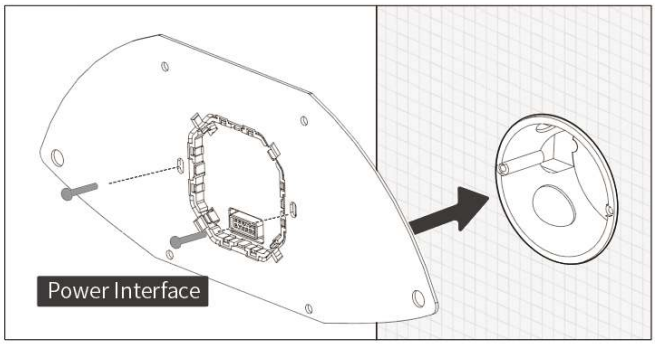


Figure 7

Step 3: Align the slots on the back of the panel with the mounting hooks on the power interface, then press gently and install on the interface.

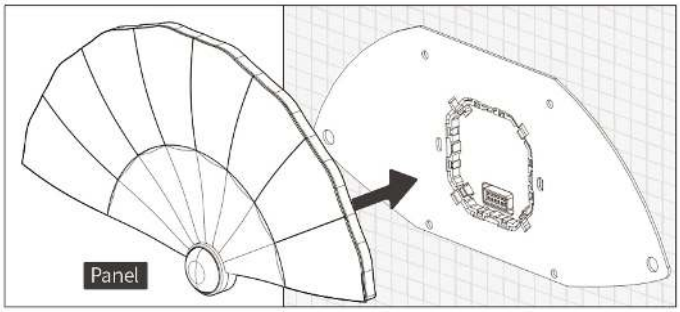


Figure 8

◇◆ Disassembly

Warning: Before performing any disassembly procedures on the device, it is crucial to disconnect the device from all voltage sources. This step is necessary to ensure the safety of the technician and prevent any potential damage to the device.

Step 1. Pull the cover to separate the panel from the power interface.

Step 2. To remove the panel and the power interface, please refer to the section Installation and do it reversely.

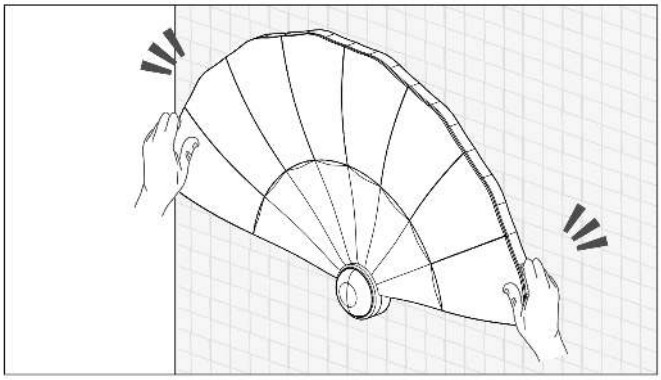


Figure 8

◇◆ Operation

1. Programming mode: Long press any button for 15 seconds, the backlight will turn blue and flash slowly, and the programming mode is on (in programming mode, the subnet ID and device ID can be modified in the commissioning software)

2. Panel lock/unlock:

Manual lock: short press A1 and the last button at the same time for 5 seconds, the indicator light flashes blue (power off and re-power on, the panel is still locked)

Auto-lock: users can configure the auto-lock function in the HDL Studio commissioning software, set the auto-lock time, and the panel will be locked automatically after a certain period of time.

Panel unlock: press A1 and the last button at the same time for 5 seconds, the panel will be unlocked.

Note: Unlocking must be done manually.

3. Customize the colour of the button indicator: support colour customization through the commissioning software (please refer to the commissioning instructions for details).

4. Proximity detection setting: support setting of sensing distance and time of the sensor waking up panel indicator through the commissioning software (please refer to the commissioning instructions for details).

◇◆ Packing List

- Panel*1
- Bracket*1
- Jade certificate*1

◇◆ Copyright Statement

Update History:

The form below contains the information of every update. The latest version contains all the updates of all former versions.

Version	Update Information	Date
V1.0	Initial release	February 19, 2025
V1.1	Update installation instruction	July 15, 2025

◇◆ Troubleshooting

E-mail: hdltickets@hdlautomation.com

Website: https://www.hdlautomation.com