



Figure 1. KNX Granite 4.3"

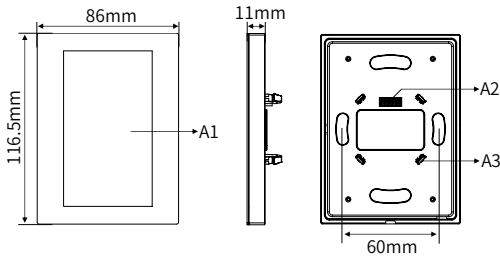


Figure 2. Dimensions - Front View Figure 3. Side View Figure 4. Back View

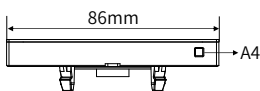


Figure 5. Dimensions - Side View

Portrait View

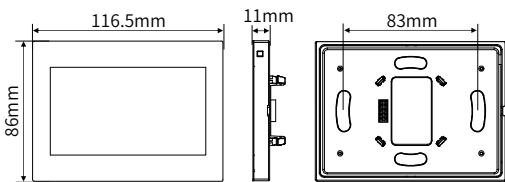


Figure 6. Dimensions - Front View Figure 7. Side View Figure 8. Back View

Landscape View

## Overview

KNX Granite 4.3" (See Figure 1) is a high-end and multi-function control panel for home automation. With 4.3-inch LCD screen and full-screen touch control, it is convenient for the users to control devices of lighting, curtain, scene, AC/FCU, floor heating, music and fresh air in an intuitive way.

Its functions include:

- The factory default panel is portrait display and can be set to landscape display on the setting page. (when the engineer installs and debugs)
- Built-in temperature and humidity sensor
- Built-in proximity sensor, when the panel detects someone (maximum sensing distance: 20~30cm), the LCD screen will wake up.
- Adjustable LCD backlight
- LCD screen wakes up automatically.
- Screen lock setting
- 3 shortcut scene buttons, 2 function navigation buttons (vertical screen)/4 function navigation buttons (horizontal screen), and 1 main menu button available in main interface
- Time and environment status display setting
- Dedicated pages for lighting, curtain, scene, AC/FCU, floor heating, music and fresh air control
- A total of 20 control keys can be set on the lighting page. The control types are: Switch, dimmer, RGB, and CCT light.
- Curtain control: Up to 8 curtains supported. Supports opening/closing, stopping, percentage adjustment, swing angle control
- Scene control: Up to 20 scenes supported
- AC/FCU control: Supports switching, temperature adjustment, fan speed adjustment, mode switching of up to 6 AC/FCU(s)
- Floor heating control: Supports switching, temperature adjustment, mode switching of up to 8 floor heating controls, Floor heating modes: Normal, Day, Night, Away, Timer.
- Music play: 1 music player supported
- Fresh air control: Supports switching, fan speed adjustment, mode switching of 1 fresh air control

## Components and Operation

Dimensions - See Figure 2 - 8

**A1. LCD screen:** 4.3-inch touch screen

**A2. Communication interface:** KNX connector for connecting to KNX Panel Power Interface US (with External Power Supply) (M/PCI2PU.2)

**A3. Mounting slot:** Connects to KNX Panel Power Interface US (with External Power Supply) .

**A4. Temperature and humidity sensor**

## Note(s)

- The panel must be wall box installation.
- The panel must work in conjunction with KNX Panel Power Interface US (with External Power Supply) (M/PCI2PU.2).
- The device is compliant with the KNX standard and the parameters are set by the Engineering Tool Software (ETS).



## Safety Precautions

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. 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 operating instruction.
- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- Please contact our after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to this warranty.

## Package Contents

M/PTL43.1\*1 / Datasheet\*1

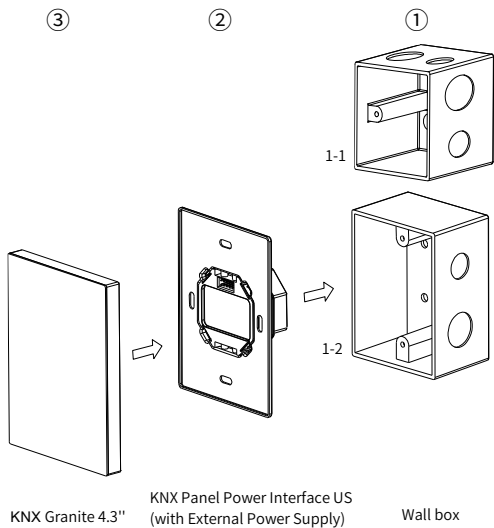


Figure 9. Portrait Installation

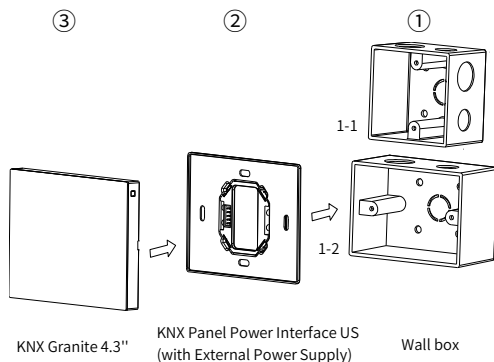


Figure 10. Landscape Installation

## Technical Data

### Basic Parameters

Working voltage	21~30V DC
Working current	15mA/30V DC
Auxiliary voltage	20~30V DC
Auxiliary current	110mA/24V DC
Communication	KNX
Cable diameter of KNX terminal	0.6 - 0.8mm

### External Environment

Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

### Specifications

LCD screen resolution	480x800
Dimensions	86×116.5×11(mm)
Net weight	138g
Housing material	Glass, aluminum, PC
Installation	Wall box (See Figure 9-10)
Protection rating (Compliant with EN 60529)	IP20

### Approved

CE, RoHS

KNX

## KNX Cable Guide

KNX	KNX Cable
-	Black
+	Red

## Installation

Installation - See Figure 9 - 10

Step ①: Install the wall box (1-1 or 1-2) in the wall.

Step ②: Fix the power interface onto the wall box with screws.

Step ③: Hold the edge of the panel, and insert the panel in the slots of power interface vertically.

#### Technical support

E-mail: [hdltickets@hdlautomation.com](mailto:hdltickets@hdlautomation.com)

Website: <https://www.hdlautomation.com>

©Copyright by HDL Automation Co., Ltd. All rights reserved.  
Specifications subject to change without notice.