M/DLP04.1

KNX Modern Series DLP Smart Panel EU(US)

Hardware version: A2

Datasheet

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Figure 1. KNX Modern Series DLP Smart Panel EU

Figure 2. KNX Modern Series DLP Smart Panel US

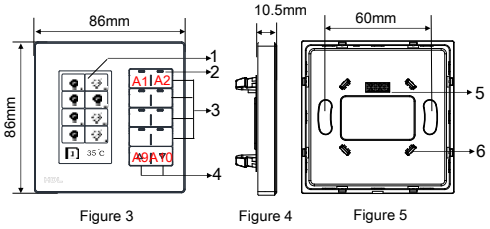

Figure 3 Figure 4 Figure 5

KNX Modern Series DLP Smart Panel EU

Figure 3 - 5. Dimensions

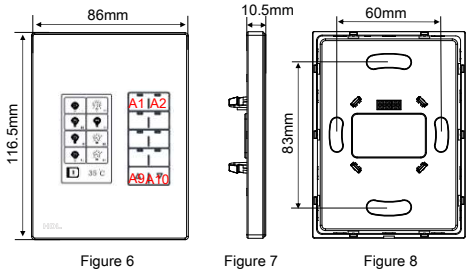

Figure 6 Figure 7 Figure 8

KNX Modern Series DLP Smart Panel US

Figure 6 - 8. Dimensions

Overview

KNX Modern Series DLP Smart Panel EU(US) (See Figure 1-2) is a multi-function control panel specially designed for home automation. It has 8 control buttons and 2 page buttons. Each control button is equipped with a dot-matrix LCD display. With 3 switch control pages, 1 floor heating page and 1 air conditioner page, the panel enables the control of switch, dimming, scene, threshold value and floor heating, etc.

Functions

- LCD screen with the resolution of 160 x 80
- Icon customization supported for page 1, 2, 3 via “HDL KNX Assistant Software”
- Backlight brightness adjustable
- Keep pressing the first and last button (A1 and A10) together for 2 seconds, the LED Indicators will flash and the panel will enter programming mode.
- Time display and temperature display
- Control types: Switch control, Dimming control, Shutter control, Flexible control, Scene control, Sequence control, Percentage control, Threshold control, Alternate control, String (14bytes) control, Combination control, HVAC control, Floor heating control, Button lock, Button trigger, Temperature report, Night mode setting.

Important Notes

- The panel should be installed in the wall box.
- The panel should work in conjunction with the power interface (M/PCI.1-A in conjunction with EU panel, M/PCI.3-A in conjunction with US panel).
- The device is compliant with the KNX standard and the parameters are set by the Engineering Tool Software (ETS).

Product Information

Dimensions - See Figure 3 - 8

1. LCD screen: 160 x 80 pixels. Icon can be customized by user via management software.

2. Button indicator: Indicates the status of the controlled targets. The brightness of the indicator is customizable.

3. Control Button: To control targets.

4. Page button: For user to select different pages.

5. Communication interface: Connects to panel power interface.

6. Fastener: Connects to panel power interface.

Programming: Press Button A1 and Button A10 simultaneously for 2 seconds to enter programming mode.

Panel locking and unlocking: Press Button A2 and Button A9 simultaneously for 2 seconds to lock and unlock the panel.

Menu: Press Button A9 and Button A10 simultaneously for 2 seconds to enter menu page and change the following parameters:

C/F: Conversion between Celsius and Fahrenheit temperature.

AtDk: 1T/2T, the backlight will darken after no operation for delay time, and when operate the panel again,

1T: control target and brighten backlight immediately.

2T: The first operation is to brighten backlight, second operation is to control object.

Page: Select the page you want to lock when you turn on Lock mode.

Lock: Turn on or off password lock mode. This function locks the menu page and the page selected by the Page option when there is no operation for 30 seconds. A password needs to be entered to unlock it.

Password: Set the password. The factory password and a new password should be entered. When the user first uses the panel, the factory password is “8552”.

Product installation and disassembly

Installation - See Figure 9 -11

Step 1. Install the wall box 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.

Disassembly - See Figure 12

Step 1. Insert a straight screwdriver into the gap between the panel and power interface.

Step 2. Hold the panel, pry up the panel gently and take down the panel.

Safety Precautions

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device should be installed on the wall box. HDL takes no responsibility for all consequences caused by installation and wire connection which are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

M/DLP04.1*1 / Datasheet*1

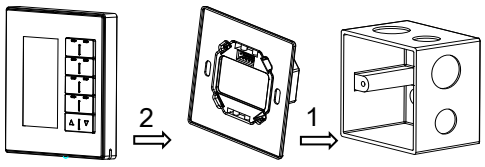

Figure 11. KNX Modern Series Panel Figure 10. Power interface Figure 9. Wall box

Figure 9 - 11. Installation

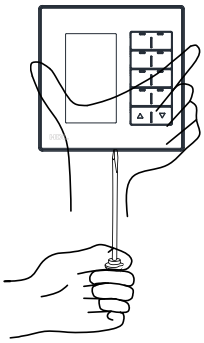

Figure 12. Disassembly

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Working current	20mA / 30V DC
Communication	KNX
Cable diameter of KNX terminal	0.6 - 0.8mm
External Environment	
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%
Specifications	
LCD screen resolution	160x80
Dimensions	EU: 86×86×10.5(mm) US: 116.5×86×10.5(mm)
Net weight	EU: 109g US: 131g
Housing material	Glass, PC, ABS, Aluminum
Installation	Wall box (See Figure 9 - 11)
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×
Glass	o	o	o	o	o	o

The symbol “-” indicates that the hazardous substance is not contained.
The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.
The symbol “×” indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

KNX Cable Guide

KNX	KNX Cable
+	Red
-	Black

Technical support
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