HDL®

CE

M/MPTLC43.1

KNX 4.3-Inch Enviro Touch Screen

Hardware Version: A2

KNX®

Datasheet

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Edition V1.0.0

Figure 1. KNX 4.3-Inch Enviro Touch Screen

Overview

KNX 4.3-Inch Enviro Touch Screen (See Figure 1) is a multi-function touch panel which supports the control of lighting, switches, air conditioners, FCU, music and floor heating etc. The 4.3-Inch Enviro Touch Screen adopts 4.3-inch true color LCD screen and supports full touch screen control, which is easy and convenient to operate.

Its functions include:

■ Built-in temperature sensor

■ Adjustable backlight brightness

■ The interface icons can be replaced.

■ The screen wakes up automatically.

■ Displays current time and temperature

■ The controller will automatically switch to the clock standby interface according to the preset time. Then the panel will dim and enter power-saving mode.

■ With multiple control pages, the panel can control lighting, switches, air conditioners, FCU, music playback, floor heating, etc.

■ Supports various control types: Switch Control, Dimming Control, Shutter Control, Flexible Control, Scene Control, Sequence Control, Percentage Control, Threshold Control, String (14 bytes) Control, Alternate Control, Pulse Control, RGB Control, Fan Control, Combination Control.

Components and Operation

Dimensions - See Figure 2 - 4

1. LCD screen: 4.3-inch touch screen, used for icon display and touch control. The LCD brightness can be adjusted and the icons can be changed.

2. Proximity sensor: IR detection, when someone approaches the panel, the LCD screen will wake up.

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

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

5. Split gap: Insert a slotted screwdriver to the split gap, then separate the panel and power interface.

Installation

Installation - See Figure 5

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.

Important Notes

■ 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).

■ Change icons via HDL KNX Assistant Software.

⚠ 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.

■ HDL does not take responsibility for all the consequences caused by installation and wire connection that 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

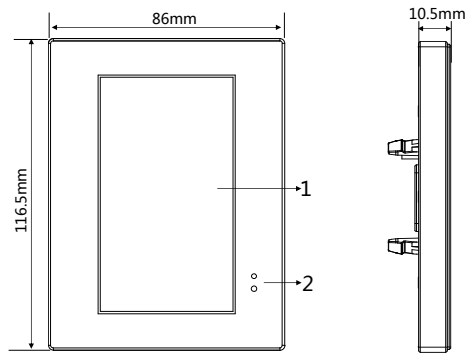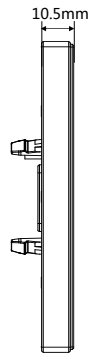M/MPTLC43.1*1 / Datasheet*1

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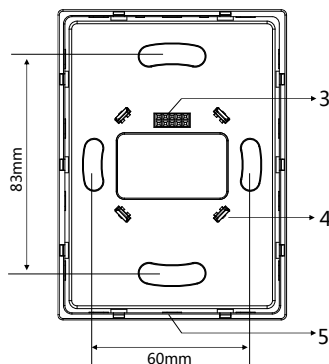

Figure 4. Dimensions - Back View

Enviro Touch Screen   KNX Panel Power Interface US   Wall box
(with External Power Supply)
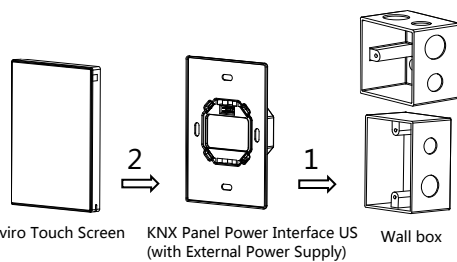
Figure 5. Installation

Technical Data

Basic Parameters

Working voltage	21~30V DC
Working current	21mA/30V DC
Auxiliary voltage	20~30V DC
Auxiliary current	10mA/24V 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

Dimensions	86×116.5×10.5(mm)
Net weight	137.5g
Housing material	Glass, Aluminum, PC, ABS
Installation	Wall box (See Figure 5)
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
-	Black
+	Red