M/TBP2.1
KNX iTouch Series 2 Buttons Touch Panel US
M/TBP4.1
KNX iTouch Series 4 Buttons Touch Panel US
M/TBP6.1
KNX iTouch Series 6 Buttons Touch Panel US
Hardware Version: A2

Datasheet
Issued: June 8, 2021
File Edition: V1.0.1

Figure 1. M/TBP2.1 (US)

Figure 2. M/TBP4.1 (US)

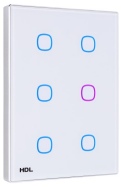
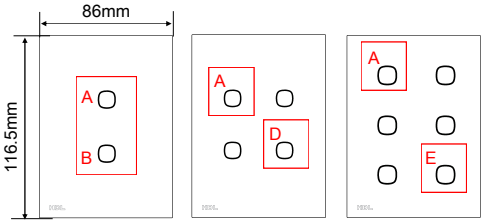


Figure 3. M/TBP6.1 (US)



M/TBP2.1 (US) Figure 4 | M/TBP4.1 (US) Figure 5 | M/TBP6.1 (US) Figure 6

Figure 4 - 6. Dimensions - Front View
(Regular version)

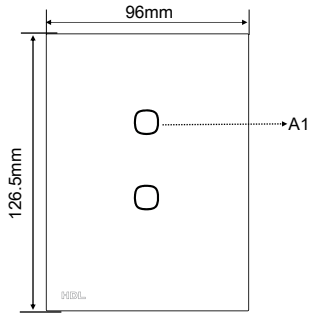


Figure 7. Dimensions - Front View
(Larger version)

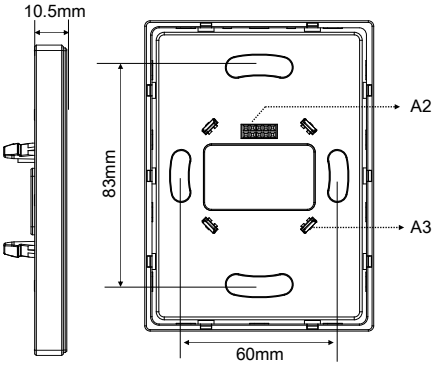


Figure 8. Dimensions - Side View

Figure 9. Dimensions - Back View

Overview

KNX iTouch Series (see Figure 1-3) enables control of switching, dimming, scenes, curtains, etc. With built-in RGB backlight, the color of each button can be set. In addition, the color of the glass surface and icons can be customized.

Functions

- Built-in temperature sensor.
- Available with 2/4/6 buttons.
- The backlight color of each button can be customized.
- Control types: Switch control, Dimming control, Curtain control, Flexible control, Scene control, Sequence control, Percentage control, Threshold control, String(14bytes) control, Alternate control, Pulse control, RGB control, Fan control, Combination control.
- Supports backlight brightness setting, button lock and button trigger.

Important Notes

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

Product Information

Dimensions - See Figure 4 - 9

A1. Control Button: Controls targets.

A2. Communication interface: Connects to panel power interface.

A3. Mounting slot: Connects to panel power interface.

Programming - Keep pressing the two buttons (Button A & B in Figure 4, Button A & D in Figure 5 or Button A & E in Figure 6) for 2s, LED indicators will flash cyclically and the panel will enter programming mode.

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.
- The device should be wall box mounted. 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

Panel*1 / Datasheet*1

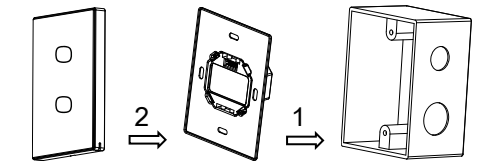


Figure 12. iTouch Panel Figure 11. Power interface Figure 10. Wall box

Figure 10 - 12. Installation

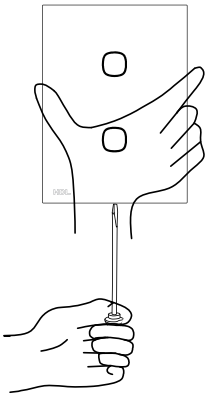


Figure 13. Disassembly

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Working current	13mA / 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	
Dimensions	116.5×86×10.5(mm) (Regular) 126.5×96×10.5(mm) (Larger)
Net weight	133g (Regular) 164g (Larger)
Housing material	Glass, PC, ABS, Aluminum
Installation	Wall box (See Figure 10 - 12)
Protection rating (Compliant with EN 60529)	IP20
Approved	
CE, RoHS	
KNX	

KNX Cable Guide

KNX	KNX Cable
+	Red
-	Black

Installation

Product installation and disassembly

Installation - See Figure 10 - 12

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 13

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.

Technical support
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