## Parameters

| Electrical Parameters | |
| --- | --- |
| Working Voltage | 21~30VDC |
| Static current | < 20mA |
| KNX terminals | KNX Bus Terminal – (Red / Grey) 0.6 – 0.8mm Diameter Single Core |
| Control interface | KNX TP1 control port |

| Environmental Conditions | |
| --- | --- |
| Working temperature | -5℃~45℃ |
| Working relative Humidity | Up to 90% |
| Storage temperature | -20℃~+60℃ |
| Storage relative humidity | Up to 93% |

| Approved | |
| --- | --- |
| CE, RoHS | |
| KNX | |

| Product information | |
| --- | --- |
| LCD Resolution | 240x80 |
| Housing Material | Glass, PC and Almuinum, ABS |
| Dimensions | 116.5mm×86mm×10.5mm |
| Net weight | 130.2g |
| IP rating | IP 20 |

## Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Icon changing** – by using "HDL KNX Assistant Software" to download pictures into page 1,2,3 of DLP.
- **Cable Connections** – Do not get wrong connection for Black and Red wires.
- **Mounting Location** – When installed outdoors, pay attention to waterproof.
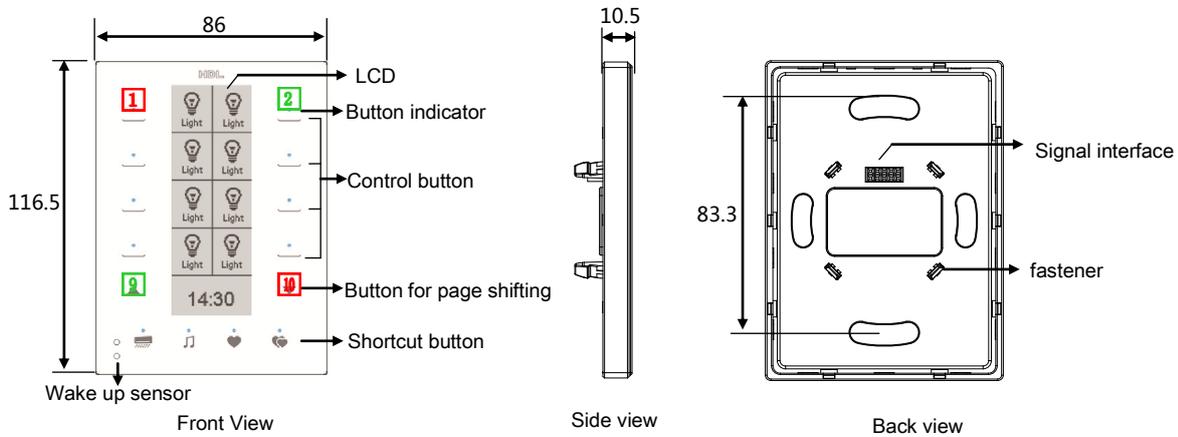- **Voltage** - The input of voltage must be between 21-30VDC.

## Overview



M/MPT14.1-A2 is HDL KNX / EIB wall switch Panel controller which has 3 page for lighting and curtain control, one page for floor heating, one page for HVAC control, one page for audio.

## Functions

- Users can change icon for page 1,2,3 and download to device by "HDL KNX Assistant Software"
- Brightness of the LCD and LED can be set via ETS software.
- It support many kind of data point and functions, include Switch control, Dimming control, Shutter control, Flexible control, Scene control, Sequence control, Percentage control, Threshold control, Combination control, String(14bytes) control, HVAC, Audio, Floor heating, IR for AC, Button Lock, Button Trigger, Temperature Display, Time Display, Remote Trigger.
- Keep pressing the first and last button together for 2 seconds, the LED Indicators will flashing and enter programming mode.
- Button sound can be set.
- For security touch button can be lock via KNX/EIB.

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## Dimensions and Wirings (Unit: mm)



Front View

Side view

Back view

**Control Button:** To control targets.

**Programming:** keep pressing 1 and 10 buttons together for 2s, will enter programming mode.

**Lock or unlock:** keep pressing 2 and 9 buttons together for 2s, will lock the panel or unlock the panel.

**Menu:** keep 9 and 10 both buttons together for 2s, will enter the menu page and can change following parameters.

**C/F:** Conversion Celsius and Fahrenheit temperature.

**AtDk:** 1T/2T, the backlight will darken after no operation for delayed time ,When operation again,

1T:object controlling and brighten backlight immediately.

2T:the first times brighten backlight, second times object controlling.

**LCD:** Display icons, user can design icons from manage software.

**Button Indicator:** Indicates the status of the controlled target. On– Status on; Off– Status off. User can define the color of status.

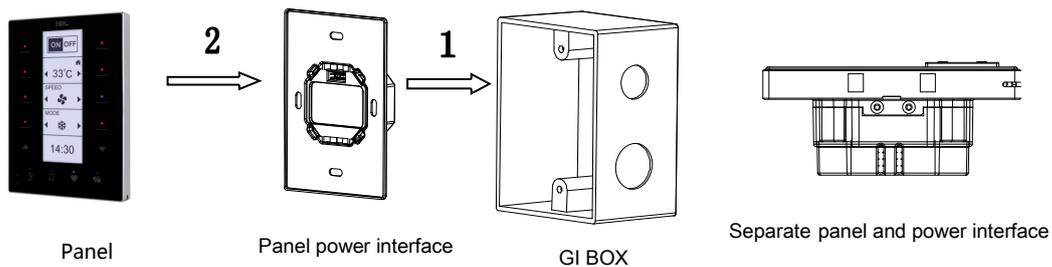**Button for page shifting:** For user to select different pages.

**Shortcut button**: Directly reaches to a certain page.

**Wake up function**: The LCD will light up if a hand approaches the panel.

**Signal interface and fastener:** Connect to panel power interface (M/PCI.3-A).

**Split gap**: Insert a slotted screwdriver to the split gap, separate the panel and power module (M/PCI.3-A).

## Installation



Panel

Panel power interface

GI BOX

Separate panel and power interface

**Installation:** Hold the edge of panel (shown as above), insert the power interface module vertically.

**Split:** Panel and panel power interface by magnetic suction, you can split them apart directly.

## Safety Precautions ⚠ WARNING

■ Mounting position: indoor
■ Do not make wrong connection on KNX/EIB
■ Never let liquids get into the module, it will damage this device
■ Do not get AC power into Bus wire , it will damage all devices in the system

## Package Contents

■ Datasheet*1 / panel *1

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