

Parameters

Electrical Parameters	
Working Voltage	21~30VDC
Static current	< 20mA
KNX terminals	KNX Bus Terminal – (Red / Grey) 0.6 – 0.8mm Diameter Single Core cable
Control interface	KNX TP1 control port
Environmental Conditions	
Working temperature	-5°C~45°C
Working relative Humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE, RoHS	
KNX	
Product information	
Housing Material	Glass, PC , Aluminum, ABS
Dimensions	86mm×86mm×10.5mm (M/DLP04.1-A2-48)
	116.5mm×86mm×10.5mm (M/DLP04.1-A2-46)
Net weight	108.5g (M/DLP04.1-A2-48)
	130.5g (M/DLP04.1-A2-46)
Protection 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/DLP04.1-A2-48



M/DLP04.1-A2-46

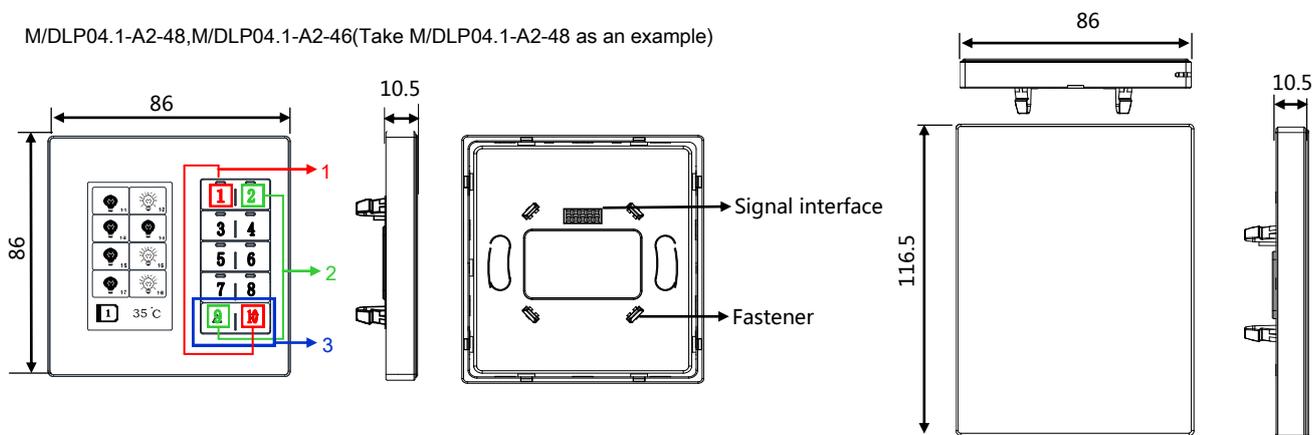
HDL KNX / EIB M/DLP04.1-A2-48, M/DLP04.1-A2-46 wall switch Panel controller have 3 page for lighting and curtain control, one page for floor heating, one page for HVAC control.

Functions

- Users can change icon for page 1,2,3 and download to device by “HDL KNX Assistant Software”
- With a Built- in mini infrared receiver.
- 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, 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.

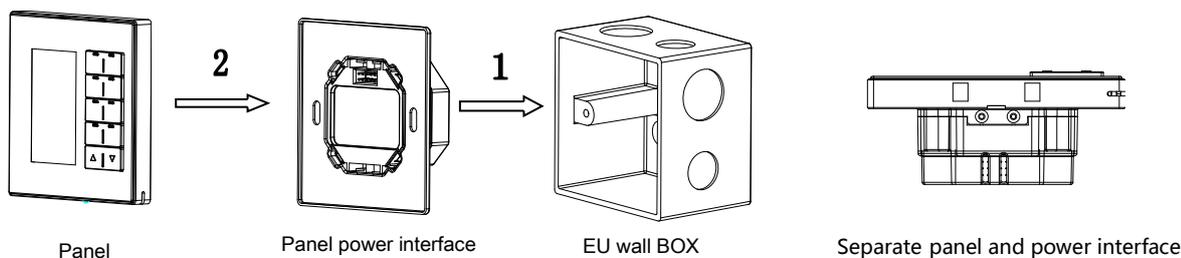
Layout and Wiring

M/DLP04.1-A2-48, M/DLP04.1-A2-46 (Take M/DLP04.1-A2-48 as an example)



1. **Programming:** keep pressing 1 and 10 buttons together for 2s, will enter programming mode.
2. **Lock or unlock:** keep pressing 2 and 9 buttons together for 2s, will lock the panel or unlock the panel.
3. **Menu:** keep 9 and 10 both buttons together for 2s, will enter the menu page and can change following parameters.
 - 3.1 **LCD:** LCD's brightness can be changed.
 - 3.2 **LED:** LED's brightness can be changed.
 - 3.3 **C/F:** Conversion Celsius and Fahrenheit temperature.
 - 3.4 **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.

Installation



Installation: Hold the edge of panel, insert the power interface module vertically. Do not push the panel too hard.

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

Safety Precautions



- KNX TP1 bus is SELV and they must be isolated and segregated from mains.
- Do not get wrong connection on positive and negative for the bus cable.
- Avoid the rain or water into module, it will damage this devices.
- Do not get AC voltage into Bus wire, it will damage all of devices in system.

Package Contents

- Datasheet*1 / Panel *1

