Parameters

**Electrical Parameters (from HDL-MPLPI.46-A):**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>DC12~30V</td>
</tr>
<tr>
<td>Power consumption (from HDL-MPLPI.46-A)</td>
<td>20mA/DC24V</td>
</tr>
</tbody>
</table>

**Environmental Conditions:**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Temperature</td>
<td>-5℃~45℃</td>
</tr>
<tr>
<td>Working relative Humidity</td>
<td>Up to 90%</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20℃~+60℃</td>
</tr>
<tr>
<td>Storage relative Humidity</td>
<td>Up to 93%</td>
</tr>
</tbody>
</table>

**Approved**

- CE
- RoHS

**Product Information:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (Normal)</td>
<td>86×116.5×10.5 (mm)</td>
</tr>
<tr>
<td></td>
<td>96×126.5×10.5 (mm) (XL)</td>
</tr>
<tr>
<td>Net weight (Normal)</td>
<td>132.6g</td>
</tr>
<tr>
<td></td>
<td>163.4g (XL)</td>
</tr>
<tr>
<td>Housing material</td>
<td>Glass, PC, ABS, Alumnum</td>
</tr>
<tr>
<td>Installation</td>
<td>US wall box</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP20</td>
</tr>
</tbody>
</table>

**Important Notes**

- It must work in conjunction with HDL-MPLPI.46-A.
- Real product may be different from pictures on the right.
- Touch performance – touch panel sensitivity need to be readjusted after installation.
- IR receiver function – only available for customized touch panel with IR receiving hole.
- The cover can be replaced by the user.
- Buspro cable - HDL Buspro/KNX cable, 0.8mm single-core copper cable.
- BusproConnection - Series connection (hand-in-hand).
- Installation - US wall box.

**Installation Steps**

- Connect bus cables. Make sure the color of wire complies with the definition.
- Make sure the Buspro cable type is correct and has no short circuit.
- Mount the HDL-MPLPI.46-A in the wall-box.
- Put this device into HDL-MPLPI.46-A.

**Overview**

- HDL-MPT2.46-A
- HDL-MPT4.46-A
- HDL-MPT6.46-A

Multi-function control panel, embedded with RGB LED backlight for each touch button, any color is available for the button via setting in HDL Buspro configuration tools software.

**Functions**

- Key Mode: Single on/off, Single on, Single off, Combination on, Combination off, Combination on/off, Short/long press, Momentary, Short press/long press.
- Key Control Type: Scene, Sequence, Timer, Universal Switch, Single Channel Control, Broadcast Scene, Broadcast Channel, Curtain Control, GPRS Control, Panel Control, Security Module, Music Play, Universal Control, etc.
- Built-in IR receiver, need to replace a plate with an IR receiving hole to enable the IR remote control function.
- Test bus voltage function
- Adjustable backlight color and intensity
- Support HDLBuspro online upgrading.
- Customized image for touch panel.

**Safety Precautions**

- The screw down strength should not exceed 0.1Nm
- Mounting position: indoor
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- 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
- Ensure good ventilation
- Avoid contact with liquids and aggressive gases

**HDL Buspro Cable Guide**

<table>
<thead>
<tr>
<th>CAT5/CAT5E</th>
<th>HDL Buspro</th>
<th>HDLBuspro/KNX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown/Orange</td>
<td>DC24V</td>
<td>Red</td>
</tr>
<tr>
<td>Brown White/Orange white</td>
<td>COM</td>
<td>Black</td>
</tr>
<tr>
<td>Blue White/Green white</td>
<td>DATA-</td>
<td>White</td>
</tr>
<tr>
<td>Blue/Green</td>
<td>DATA+</td>
<td>Yellow</td>
</tr>
</tbody>
</table>
**Dimensions**

- **MPT2.46-A**
- **MPT4.46-A**
- **MPT6.46-A**

**Touch button function:** On/off, dimming.

**Address modification:** Press any of the buttons for 15s, all the backlights will flash, the address of this device can be changed on HDL Buspro software: submenu "address management/address modify".

**Signal interface and fastener:** Connect to panel power interface (MPLPI.46-A).

**Installation**

1. **Panel power interface (MPLPI.46-A)**
2. **US wall box**
3. Separate panel and power interface

**Installation:** Hold the edge of panel insert the power interface module vertically.

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

**Package Contents**

- **Datasheet** x1
- **Panel** x1