**Parameters**

<table>
<thead>
<tr>
<th>Electrical parameters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Working power</td>
<td>21~30VDC</td>
</tr>
<tr>
<td>BUS interface</td>
<td>KNX/EIB</td>
</tr>
<tr>
<td>Dynamic current</td>
<td>&lt; 16mA</td>
</tr>
<tr>
<td>Static current</td>
<td>&lt; 10mA</td>
</tr>
<tr>
<td>KNX terminals</td>
<td>(Red /Grey) 0.6 – 0.8mm Diameter Single-Core cable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Conditions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Working temperature</td>
<td>-5°C~45°C</td>
</tr>
<tr>
<td>Working relative Humidity</td>
<td>Up to 90%</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20°C~+60°C</td>
</tr>
<tr>
<td>Storage relative humidity</td>
<td>Up to 93%</td>
</tr>
</tbody>
</table>

**Approved**

- CE, RoHS
- KNX

**Product information**

- Dimensions: 90mm x 72mm x 63.8mm
- Net weight: 109.6g
- Housing Material: Nylon
- Installation: 35mm Din rail installation
- Protection rating: IP20

**Important Notes**

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Bus cable** - KNX/EIB standard cable
- **Cable Connections** – Do not get wrong connection for Black and Red wires.
- **Voltage** - The input of voltage must be between 21-30VDC.
- **Dry contact signal cable**—recommend shielded cable, less than 20 meters.
- **Installation**—35mm DIN rail installation, inside DB box.

**Overview**

HDL KNX-M/S24.1 is a sensor signal input module, it supports up to 24 dry contact inputs.

**Functions**

- 24 channels dry contact input
- Can sending the variety control telegram value via KNX.
- Control targets: Switch controller, Switch/Dimming controller, Shutter controller, Flexible controller, Scene controller, Sequence controller, Percentage controller, Threshold controller, String(14 bytes) controller, Forced position controller, Bell controller, Counter controller, Combination controller.
- Dry contact type can be set Mechanical switch or Electronic switch.

**Installation Steps**

- Mount the device in DB box.
- KNX/EIB Cable connection.
- Dry contact signal cable connection.
- Make sure the connection is right.
Safety Precautions

- Screw down strength is less than 0.2Nm.
- Do not get wrong connection on positive and negative for the bus cable.
- Avoid contact with liquids and corrosive gases.
- Do not get AC voltage into Bus wire, it will damage all devices in the system.

Package Contents

- Device*1 / Datasheet*1