**Parameters**

<table>
<thead>
<tr>
<th><strong>Electrical Parameters:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Working voltage</td>
<td>12-30V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>32mA/24V DC</td>
</tr>
<tr>
<td>Temperature detection range</td>
<td>-40°C~60°C</td>
</tr>
<tr>
<td>Illumination detection range</td>
<td>0~5000LUX</td>
</tr>
<tr>
<td>Humidity detection range</td>
<td>20~95%RH</td>
</tr>
<tr>
<td>Microwave detection range</td>
<td>H:7m D:12m L:6m</td>
</tr>
</tbody>
</table>

**Environment Conditions:**

| Working temperature | -20°C~+45°C |
| Working relative humidity | < 90% |
| Storage temperature | -20°C~+60°C |
| Storage relative humidity | < 93% |

**Approved**

- CE
- RoHS

**Product Information:**

- **Dimension**: Φ84.5mm×32mm
- **Net weight**: 67.5g
- **Housing material**: ABS
- **Installation**: Screw fixation
- **Protection rating**: IP20

**HDL Buspro Cable Guide**

<table>
<thead>
<tr>
<th>CAT5/CAT5E</th>
<th>HDL Buspro</th>
<th>HDL Buspro/KNX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown/Orange</td>
<td>24V DC</td>
<td>Red</td>
</tr>
<tr>
<td>Brown white/Orange white</td>
<td>COM</td>
<td>White</td>
</tr>
<tr>
<td>Blue white/Green white</td>
<td>DATA-</td>
<td>Black</td>
</tr>
<tr>
<td>Blue/Green</td>
<td>DATA+</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

**Important Notes**

- Buspro - CAT5E or HDL Buspro/KNX cable
- Buspro connection - Series connection (hand-in-hand)
- Installation position - Ceiling mounted
- Check the connection, avoid any mistake
- Installation position: Indoor, keep it away from AC outlet and heat source.

**Overview**

HDL-MSW01.4C Indoor Doppler Sensor includes LUX sensor, microwave sensor, temperature sensor, dry contact, universal switch. It can satisfy different requirement according to different logics. It supports HDL-Security mode.

**Functions**

- Built-in LUX sensor, microwave sensor, temperature sensor, dry contact, universal switch.
- Two logical relations: OR, AND.
- It has 24 logic blocks, Both true logic and false logic can trigger the targets respectively. Each logic can set 20 targets.
- Adjustable microwave sensitivity, range is 1-100.
- Each logic supports trigger delay time from 0 to 3600s.
- The range of universal switch number in logic is 201-248, each logic has 2 universal switch numbers.
- Support security function
- Support online upgrading

**Microwave Detection**

- Horizontal
- Vertical

---

Professional Home and Building Automation
www.hdlautomation.com (20180330)
Dimensions

Programming button, when it works properly, keep pressing this button for 3s, the indicator will turn red, you can modify the address by HDL Buspro software.

Safety Precautions

- The screw down torque should not exceed 0.1Nm.
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module.
- Do not get AC power into Buspro wire, it will damage all devices in the system.
- Avoid contact with liquids and corrosive gases.

Packing List

- HDL-MSW01.4C *1 / Datasheet *1 / Bus terminal *1