Parameters

Technical Parameters:

- Working voltage: 12~30VDC
- Power consumption: 2.5W max.
- Communication: RJ45, HDL Buspro, KNX Bus
- BUS Terminal: 0.6-0.8mm diameter single core cable
- Operation system: iRidium Server software

Environmental Conditions:

- Working Temperature: 0℃~+40℃
- Working relative Humidity: Up to 90%
- Storage Temperature: -20℃~+60℃
- Storage relative Humidity: Up to 93%

Approved:

- CE, RoHS
- Standard EN 61000-6-1, EN 61000-6-3
- TP TC 020/2011

Product Information:

- Dimension: 72×95×61(mm)
- Weight: 0.25Kg
- Housing material: ABS
- Installation: 35mm Din rail installation
- Protection rating: IP20

HDL Buspro Cable Guide

<table>
<thead>
<tr>
<th>HDL Buspro</th>
<th>HDL Buspro/KNX</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC24V</td>
<td>Red</td>
</tr>
<tr>
<td>COM</td>
<td>Black</td>
</tr>
<tr>
<td>DATA-</td>
<td>White</td>
</tr>
<tr>
<td>DATA+</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

Overview

The HDL-MSERVER/D.20 IntelliCenter Model 2 (iRidium Version) is designed for continuous monitoring and management of devices in HDL BusPro and KNX-bus network via the iRidium Server software.

Functions

- Supports continuous monitoring and management of devices in HDL BusPro and KNX-bus network via the iRidium Server software.
- Supports installing SD card to expand the storage capacity.
- Supports easy programming.
- Exchange data between devices in HDL BusPro and KNX-bus network.
- Support online upgrades.
- Supports HDL Buspro and KNX Bus communication.

Important Notes

- Before installing the IntelliCenter Model 2, it is recommended to check network settings (default IP and MAC addresses are marked on the label on the IntelliCenter Model 2 case). If addresses are not known, you have to go through the initial setup of the IntelliCenter Model 2 and the Ethernet interface.
- The IntelliCenter Model 2 must be installed inside an electrical cabinet, equipped with DIN-rail.
- During installation, it is necessary to ensure that fastening of the housing and electric cables is secure.
- To ensure operation safety do not perform maintenance (connecting, troubleshooting, etc.) with power on the KNX bus and/or power bus IntelliCenter Model 2.
Dimensions and Wiring (Unit: mm)

1. **Power on / mode LED**
   - RED light - after power on, until operation system loading.
   - GREEN light - when operation system is loaded.

2. **Prog button**
   - For settings restore you have to perform the following steps:
     a) Disconnect HDL BUS plug;
     b) Press and hold the “Prog” button;
     c) Connect HDL BUS plug for power-on IntelliCenter Model 2;
     d) Wait for OS loading (30 - 60 seconds) without releasing the button “Prog” (As a result, the successful recovery the IntelliCenter Model 2 will give a signal twice - LED blink blue light);
     e) Release the button “Prog”.
   
   After step d) the IntelliCenter Model 2 has a factory default network settings as listed on the case sticker.

3. **Safety Precautions**
   - IntelliCenter Model 2 installation must be performed according to regulations of electrical equipment installation and this instruction manual.
   - Do not make wrong connection to Buspro and KNX interface, it will damage the Bus interface of this module.
   - Never let liquids and corrosive gases come into contact with the module, it will damage this device.
   - Do not get AC voltage into Buspro and KNX wire, it will damage all devices in the system.
   - Ensure good ventilation.

4. **Package Contents**
   - Device *1 / Datasheet *1 / HDL Buspro connector*1