

Parameters

| Electric Parameters: | |
|---------------------------|----------------------------|
| Input voltage | AC220V/AC110V±10% |
| Frequency | 50~60Hz |
| Output current | 2.4A |
| Output voltage | DC24V |
| 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 | |
| Production Information: | |
| Dimensions | 144×90×66 (mm) |
| Weight | 386.5g |
| Housing material | Nylon, PC |
| Installation | 35mm DIN rail installation |
| Protection degree | IP20 |

Important Notes

- Bus cable - CAT5E or HDL Buspro/KNX cable
- Bus Connection - Series connection (hand-in-hand)
- When too many devices in one Bus system, one power supply module is not enough, in that case, it should parallel connect to two or more power supply modules

Overview



SB-DN-PS2.4A is a power supply module. It can provide DC24V to the Bus system.

Functions

- Protection: over voltage and short circuit
- Power Supply: DC24V

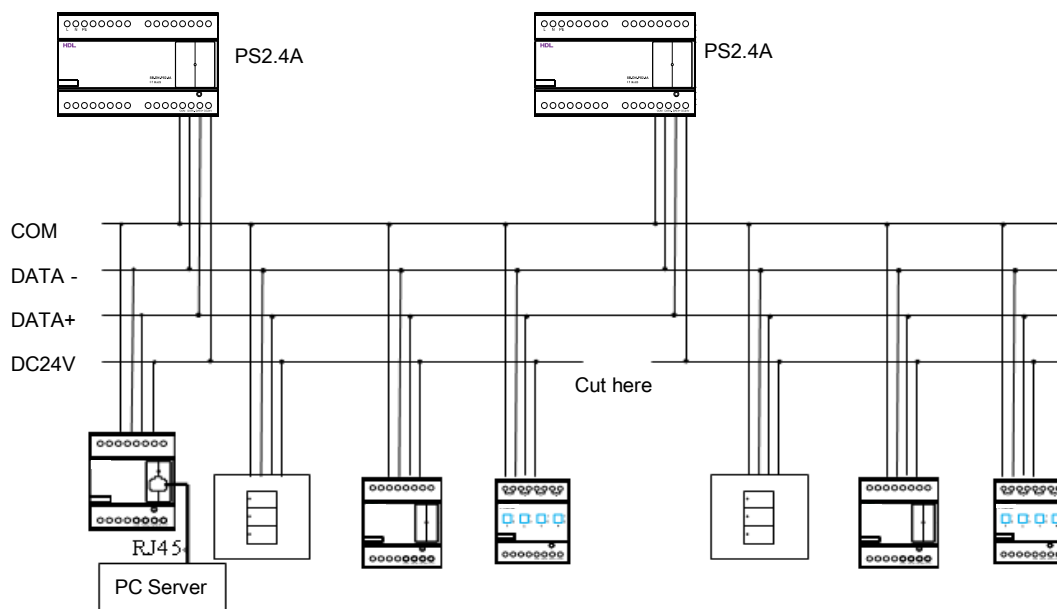
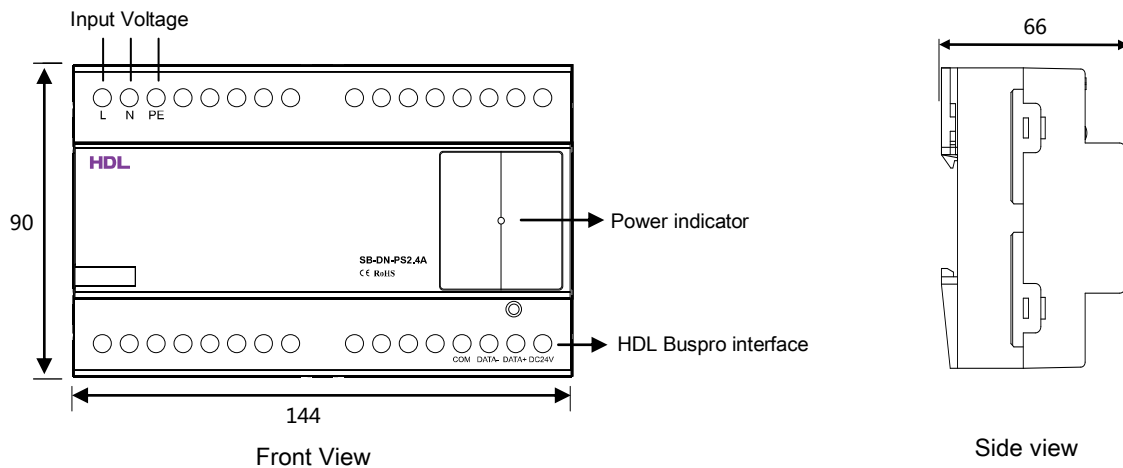
Installation Step

- Mount the device on the DIN rail installation inside the DB box
- Connect HDL Buspro cable.
- Check the connection, avoid any mistakes.

HDL Buspro Definition for Cable

| CAT5/CAT5E | HDL Buspro | HDL Buspro/KNX |
|---------------------------|------------|----------------|
| Brown/ Orange | DC24V | Red |
| Brown white/ Orange white | COM | Black |
| Blue white/Green white | DATA- | White |
| Blue/ Green | DATA+ | Yellow |

Dimensions and Wiring



Safety attention

- The screw down strength should not exceed 0.4Nm
- Installation Position: Distribution Box (DB)
- Do not make wrong connection on Bus interface, it will damage the Bus 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
- Avoid contact with liquids and aggressive gas