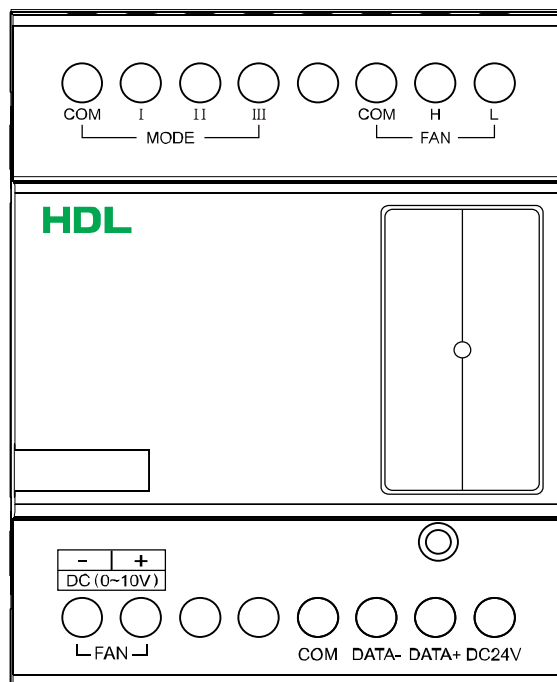# HDL

Data Sheet

Air Condition Controller

SB-DN-HVAC

Description

SB-DN-HVAC is a module designed to control centralized air conditioner (the fan coil module). coordinate the panel with air conditioning function, it can control the mode, the fan speed.

Features

- Fan speed: high or low
- Mode: cooling, heating, ventilation
- Need to work with air conditioning panel
- Extra fan control method: DC 0~10V
- Communication method: HDL-BUS

Environmental conditions

- Working temperature: 0~45℃
- Working relative humidity: 20%~90%
- Storing temperature: -40℃~+55℃
- Storing relative humidity: 10%~93%
- IP class: IP20

Performance parameters

- Working Voltage: AC220-240V
- Power supply: DC24V
- Power consumption: 45mA/DC24V
- Max. current: 2A
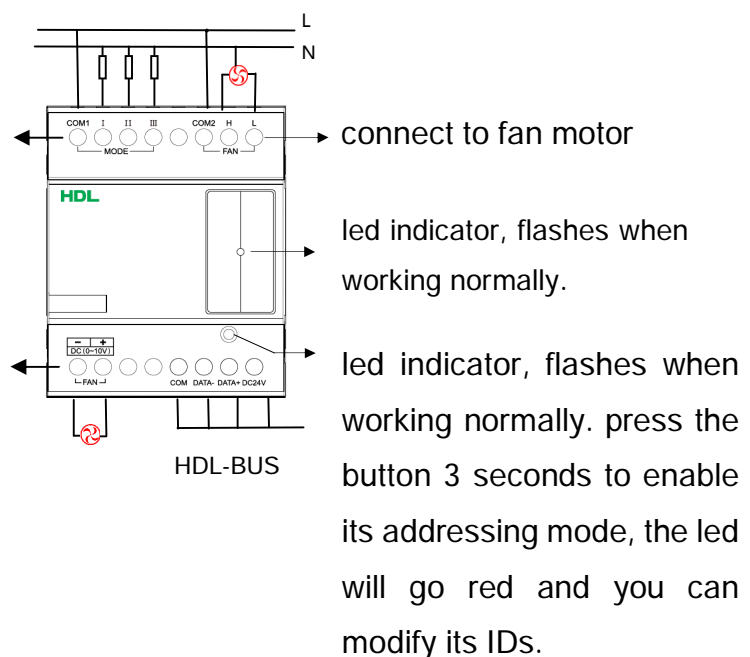- Installation: standard 35mm DIN rail
- Size: 72mm*90mm*66mm

Installation Dimension

Front view

Side view
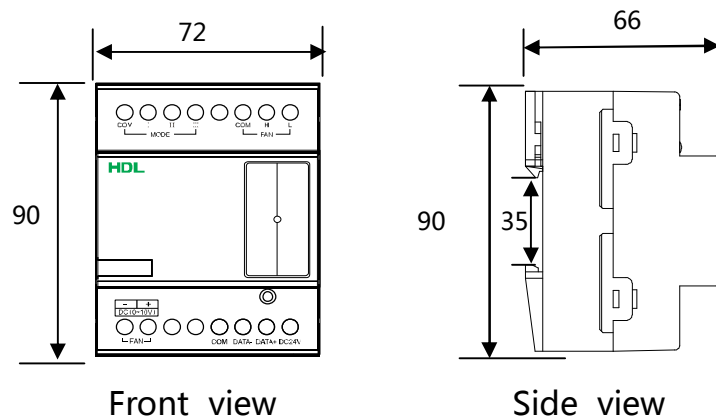
- The max allowed current for each relay is 2A.
- Use 2.5mm² or above copper wire to connect the relays.

Installation

relay I, II and III for mode can be connected with heating, cooling or other valves. you can specify the three relays in HDL-BUS software.

extra fan control method, DC0~10V output. need to specify the voltages for high wind and low wind in HDL-BUS software.

connect to fan motor

led indicator, flashes when working normally.

led indicator, flashes when working normally. press the button 3 seconds to enable its addressing mode, the led will go red and you can modify its IDs.

NOTE! Generally, relay I, II and III are used as mode switch and relay H and L are used as fan speed switch, but HDL can supply a different version firmware so that relay I, II and III are used as fan speed switch and relay H and L are used as mode switch.