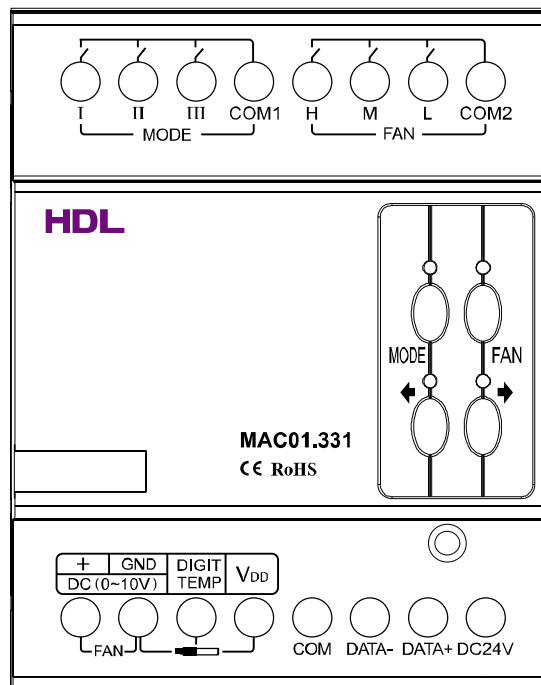


HDL

Data Sheet

Air Condition Controller SB-DN-HVAC



Description

SB-DN-HVAC module is used to control centralized HVAC, coordinating with HDL's panel with air conditioning function. According to the preset temperature and the current temperature, and with the built-in algorithm, it can smartly control the mode and fan speed. When using the master/slave mode, one panel can control several HVAC modules.

Features

- Fan speed supported: high, medium or low.
- Mode supported: cooling, heating, dehumidification.
- Built-in control algorithm runs the air conditioner smartly.
- Can connect up to 4 pcs DS18B20(digital temperature sensor, supplied by HDL).
- One master module can have up to 8 slave module.
- Extra fan speed control method: DC0~10V
- Communication interface: HDL-BUS

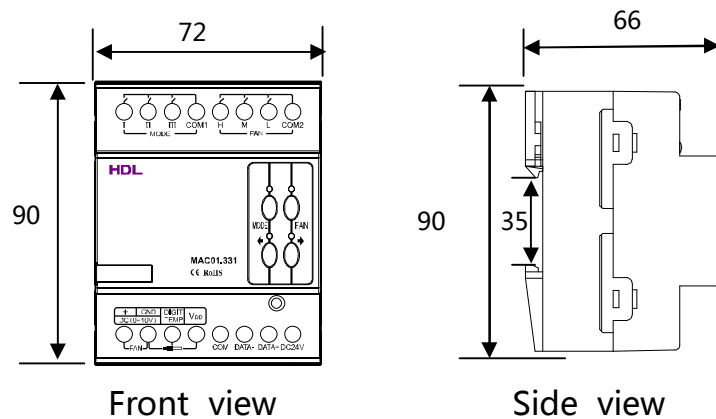
Environmental conditions

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

Performance parameters

- | | |
|----------------------|------------------------|
| ● Working Voltage: | DC24V |
| ● Power consumption: | 90mA/DC24V |
| ● Max. current: | 5A |
| ● Installation: | standard 35mm DIN rail |
| ● Size: | 72mm*90mm*66mm |

Installation Dimension



- The max allowed current for each relay is 5A
- 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, medium wind and low wind in HDL-BUS software.

