

Ventilation unit FD001

Product description

Ventilation unit FD001 is intended to be used with base plate of modular reception system BD001. 12 V power supply is supplied in scope of delivery.


Safety instructions

Any repairs should be done by skilled persons.

Do not insert any objects into openings of fans.

Follow instructions of BD001.

External power supply of ventilation unit must be:

- Double insulated from the mains, it is marked ;
- Voltage 12 V \pm 1.5 V;
- Short circuit protected.

Installation

1. Fasten ventilation unit to base plate of modular reception system BD001 with 6 screws (M3x6 mm) included in a package, see Figure 1.
2. Connect wires of external 12 V DC power supply to connector of FD001, following polarity, see Figure 1.
3. Set turn on temperature on thermostat.
4. Temperature hysteresis of thermostat is about 7 °C. So, if temperature will be set to room temperature, for example 23 °C + 7 °C, it is 30 °C, fans will begin to work at 30 °C, but will never stop, because stop temperature at this case will be < 23 °C.
5. Connect external power supply of FD001 to the mains.
6. It is allowed to use any external power supply 12 V \geq 0.5 A for feeding FD001, following voltage polarity. External power supply of FD001 must have short circuit protection.

Warning! Not allowed feeding of FD001 from DC bus of DIN rail modules. If fans are fed from DC bus of DIN rail modules, turning on-off of fans can cause not predictable effects for DIN rail modules.

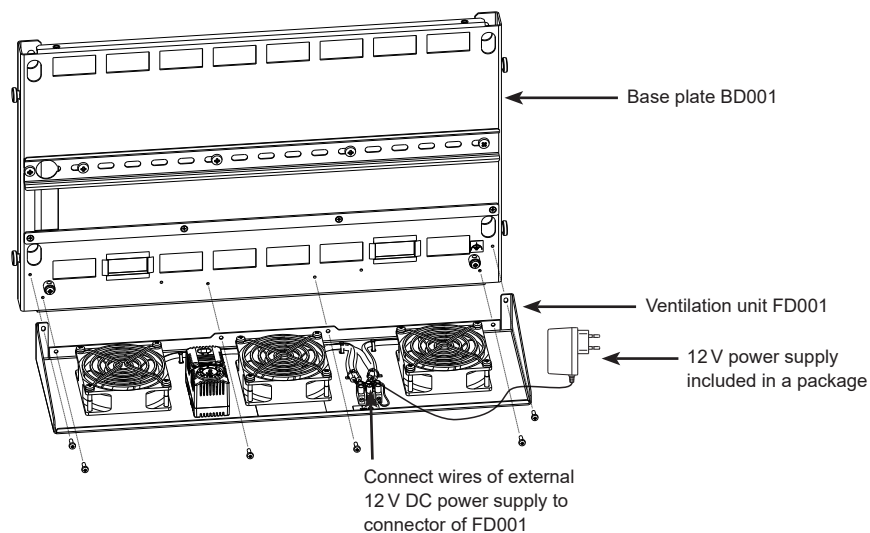


Figure 1. Installation of ventilation unit FD001

Technical specifications

Voltage	12 \pm 1.5 V
Current consumption	300 mA max.
Operating temperature	0 °C + + 60 °C
Dimensions/Weight (packed)	447x140x53 mm/1.5 kg



This product complies with the relevant clauses of the European Directive 2002/96/EC. The unit must be recycled or discarded according to applicable local and national regulations.



This product is in accordance with following norms of EU: EMC norm EN50083-2, safety norm EN IEC62368-1 and RoHS norm EN50581.



Equipment is double insulated from the mains.



This product is in accordance with Custom Union Technical Regulations: "Electromagnetic compatibility of technical equipment" CU TR 020/2011, "On safety of low-voltage equipment" CU TR 004/2011.



This product is in accordance with safety standard AS/NZS 60065: 2012 and EMC standards of Australia.