M-CON-HVAC-p: Integration module for HVAC system devices

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Technical data

Supply voltage
11 — 16V DC

Current consumption
30mA

Dimensions

Width
41mm

Height
44mm

Depth
16.5mm

Environment

Temperature
-40 — 50°C

Humidity
≤95%RH, non-condensing

The image above is for illustration purpose only. The actual module may vary from the one presented here.

General features

At the ordering stage, it is necessary to specify the model of the air conditioner in order to check compatibility and the choice of cables for communication with the unit.

Module M-CON-HVAC-p is a component of the Ampio system. Required voltage to power the module is 11 — 16V DC. The module is controlled via CAN bus.

Example application

- A/C temperature control
- control of air conditioning output and direction
- control of air conditioning operation mode.

Compatibility list

List of devices supported by the M-CON-HVAC-p module:

- MDV air conditioners
  - CSTB-36R32
  - CSTS-18R32
  - All Easy MSAEBU-12HRFNX-QRD0GW

- Rotenso air conditioner
  - Imoto series

- Carrier air conditioner

- 42QTD024D8S

Installation

The M-CON-HVAC-p module communicates with the indoor units of air conditioners for integration purposes. The module's dimensions allow it to be concealed inside the indoor unit's housing. The connection of the module to the units varies between manufacturers and HVAC unit models. One M-CON-HVAC-p module is responsible for controlling one air conditioning unit.

Device status LEDs

On the front of the module there are signalling LED indicators. The redl LED with the label *CAN* indicates the status of communication on the CAN bus:

- one regular flash every 1 sec. – CAN bus communication is working properly,
- two regular flashes every 1 sec. – the module is not receiving information from other modules,
- three regular flashes every 1 sec. – the module cannot send information to the CAN bus;

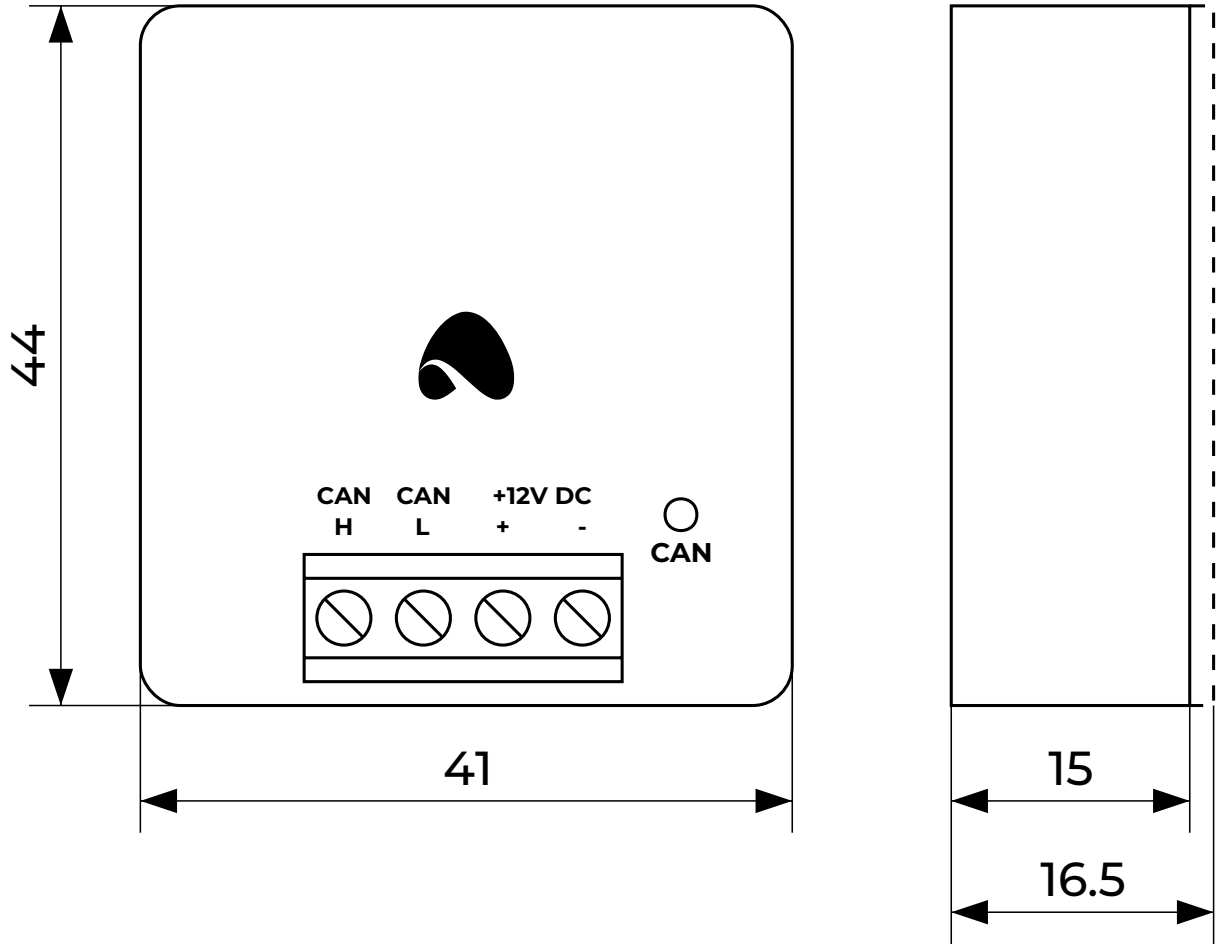
Programming

The module is programmed with the use of the Ampio Designer software. It allows you to modify the parameters of the module and define its behaviour in response to signals directly available to the module as well as general information coming from all devices present in the home automation bus.

Module dimensions

Dimensions expressed in millimeters.

The dashed lines mark the areas where the device connectors or its other elements can be located.



Connection diagram