



JA-121T RS-485 bus interface

The JA-121T module is a **universal adapter to RS-485 for other systems**. It enables connection of the JABLOTRON 100+ system bus to an RS-485 serial line and vice versa.

○ [Declaration of conformity - JA-121T \(PDF 316.21 kB\)](#)

Description

An application can be e.g. for the connection of a Smart Home system. It contains galvanically separated circuits for 4 kV. Data are sent in the case of a status change or on request. In the passive mode all data are only sent on request. The module is addressable and it occupies one position in the system

Technical specifications

Input part

Power

from the control panel BUS 12 V DC (9 – 15 V)

Current consumption to calculate the backup (standby)

15 mA

Maximum current consumption for cable choice

20 mA

Output part - supply from an external device

Power

from an external device 12 V DC (6 – 28 V)

Nominal current load

15 mA

Maximum current load

15 mA

RS-485 operational voltage

5 V (4.75 – 5.25 V)

Input/output separation

galvanically (up to 4 kV)

General

Dimensions

52 x 38 x 14 mm

Weight

15 g

Classification

Environmental class II (According to EN 50131-1)

Operational environment	Indoor general
Operational temperature range	-10 °C to +40 °C
Average operational humidity	75 % RH, non-condensing
Complies with	EN 50130-4, EN 55032, EN 50581