



## 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)

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