

RS-485 bus interface

Code: JA-121T

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.



Product 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 information:

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