

Computer interface RS 485

The RS 485 computer interface has been designed for installation in TOPAX Industry units. When this interface has been installed in a corresponding unit, the user can transmit data over distances of up to 1000 metres for communication with a PC or printer. This data interface can also be used to set up a data network.

Up to 15 TOPAX Industry units can be connected to a printer or the data transferred to a PC with our PC software, Part. No. 78142 or 78143. Measured data can be displayed and recorded by means of these software packages.

When setting up a network, care must be taken to ensure that the jumpers are plugged into the circuit board of the RS 485 in accordance with the point at which the TOPAX Industry is installed in the network. This can be seen from the installation drawing for the bus system.

A shielded, two-wire twisted cable must be used to connect the TOPAX Industry to the printer or PC. The supplementary "real-time clock" circuit board RTC, Part. No. 78137, must be installed in **each TOPAX Industry unit** if a printer is to be connected.

The TOPAX Industry units must be numbered and the numbers set in the maintenance code of the TOPAX Industry. It must be ensured that the TOPAX Industry unit which is directly connected to the printer or PC is given the number One. All other units must be numbered consecutively.

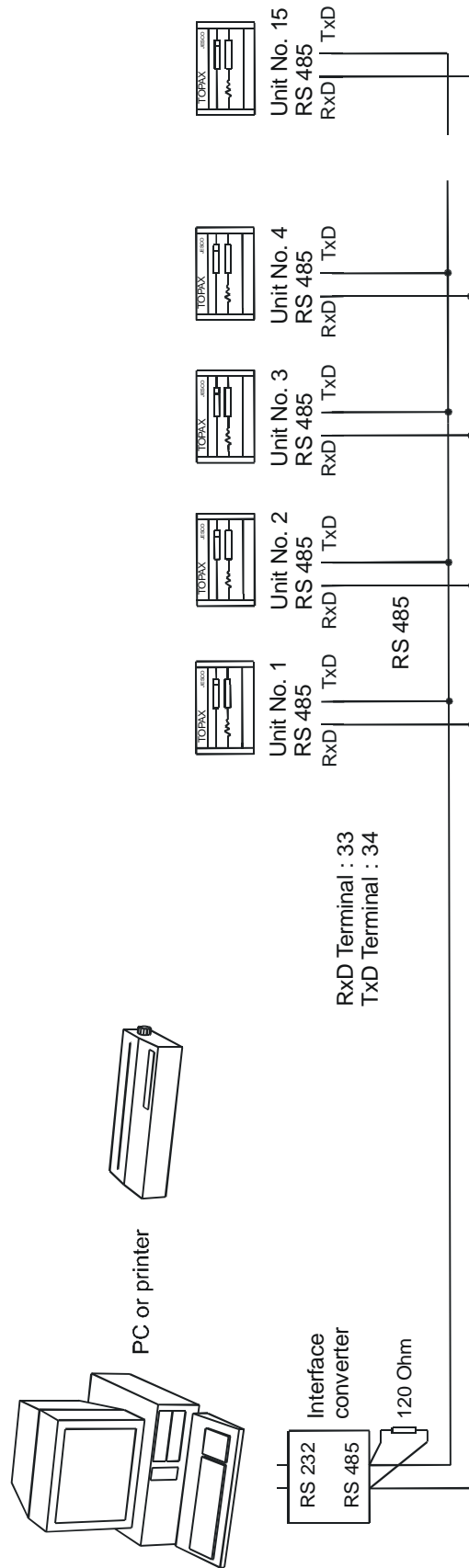
Data transmission must be set as follows on the printer and PC:

- 9600 Baud
- No Parity
- 8 Bit
- 1 Stop bit

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Connection of the computer interface RS 485 in networks (bus system)

The computer interface **RS 485** must be installed in the units when networking several JESCO units. The computer interface contains **jumper**s which must be connected differently. The bus system must be terminated with a **120 ohm** terminating resistor at each end. This is done by connecting the jumpers on the RS 485 circuit board according. A 120 ohm resistor can be connected before the interface converter. This resistor is already integrated in the interface converters supplied by JESCO.



Setting of jumpers on the RS 485 circuit board

