



**ENG** Thank you for your choice. We trust you will be satisfied with your purchase.

## Dimensions

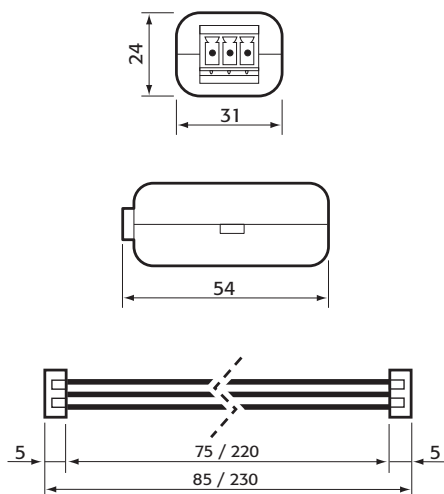


Fig. 1

## Connection example

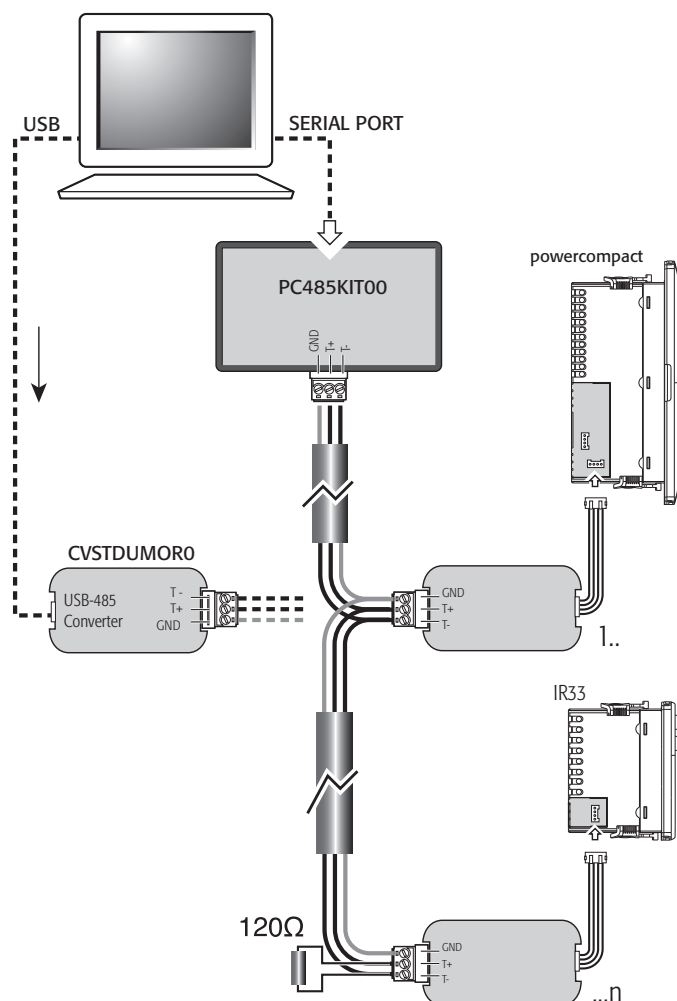


Fig. 2

The RS485 serial option is used to connect CAREL compatible controllers to a supervisory network via a standard RS485 serial line. The input normally used for the programming key is also used for this purpose, having the dual function of key input / serial communication port (only on controllers where fitted).

## Assembly

Connect the RS485 option to the CAREL controllers (at the key serial input) using the 4-wire cable; depending on the necessity use a cable 75mm or 220mm length.

Make the connection to the supervisory network, as shown in Fig. 2. The serial line should be terminated with a 1/4 W 120 Ω resistor between terminals TxRx+ and TxRx-.

Refer to the documents on the corresponding controllers for the setting of the serial address and the maximum number of connections.

## WARNING:

- Check the technical documents on the corresponding controllers for the connection of the power supply, so as to avoid damaging the instrument.
- Securely fasten the option so as to prevent it from being disconnected. It must be fixed inside the same device as the controller.
- Connect the wiring with the power supply disconnected.
- Keep the serial option cables separate from the power cables (relay and power supply outputs).

## Technical specifications

Power supply (supplied by the controller)	5 V ± 10%
Storage conditions	temperature -10T70°C; humidity 0% to 80% r.H., non-cond.
Operating conditions	temperature -10T65°C; humidity 20% to 80% r.H., non-cond.
Index of protection	IP20
Environmental pollution	normal
Protection against electric shock	To be incorporated in class I or II devices. The insulation depends on the controller the option is connected to.
Category of resistance to heat and fire	D (UL94 HB)
PTI of the insulating materials	250 V
3-way terminal	cross-section 1.5 mm <sup>2</sup>
Cables to be used	twisted pair plus shield
Serial port	not optically-isolated
Speed	19200 baud
Maximum distance from the supervisor	1 km