www.kem.nt-rt.ru

Description

The CON.USB.RS is an adaptor cable with a built in USB to RS485 converter for controlling units with an RS485 interface by a computer via USB.

Operation

Make sure that the unit to be controlled is switched off.

For using the terminating resistance, connect the free ends of the cable to the RS485 terminals of the unit to be controlled.

black	GND
orange	RS485+ (RS485A)
yellow	RS485- (RS485B)

In case an additional long cable (>10m) is connected between the free ends of the CON.USB.RS and the unit to be controlled, the built in terminating resistor of the CON.USB.RS must be used to maintain signal integrity.

Connect orange plus brown to RS485+ and yellow plus green to RS485-.

The red wire provides a +5V auxiliary supply and must not be used with the KEM displays units unless otherwise stated in the manual of the display unit.

The red, brown and green wires are safely fixed with a shrinking sleeve. If you remove the shrinking sleeve, e.g. for using the terminating resistor, make sure that all unused cable ends are properly insulated for avoiding short circuits.

Connect the USB connector to a USB plug of your computer.

Switch on the unit to be controlled and start EasyControl (or a similar control program) on your computer.

Technical Date

USB version	USB2.0
RS485 input voltage	-7V < Vin < +12V
Differential output voltage	$1.5V < Vod < 5V$
Cable length	1.8m
Terminating resistor	120Ω (brown – green)

Ordering Information

CON.USB.RS   Adaptor cable USB to RS 485