

## U-Prox WRS485 interface convertor

U-Prox WRS485 interface convertor converts Wiegand interface into the RS-485 interface and vice versa. It makes possible to increase the distance from the reader to the control panel up to 1000 m and more.

Convertor used in access control systems with Wiegand 26 bits, Wiegand 32 bits, Wiegand 34 bits, Wiegand 37 bits, Wiegand 40 bits, Wiegand 42 bits and other Wiegand interfaces. The keypad codes transmission supported for code transmission types (Wiegand): package, symbol-by-symbol and symbol-by-symbol DORADO.

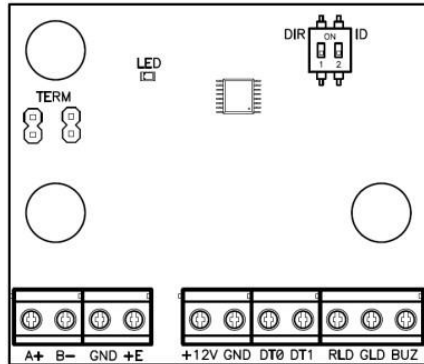
### Characteristics

- Voltage – 9V ...12V±5%
- Nominal current consumption 40 mA.
- Dimensions 67x67x25.

### Connection

RS-485 interface connected to the devices' terminals with the same name. The length of the bus is 1200 m. The terminal resistors should be connected with jumpers 'TERM' shorted.

Wiegand interface connected to the convertor and reader terminals with the same name as shown in table below:

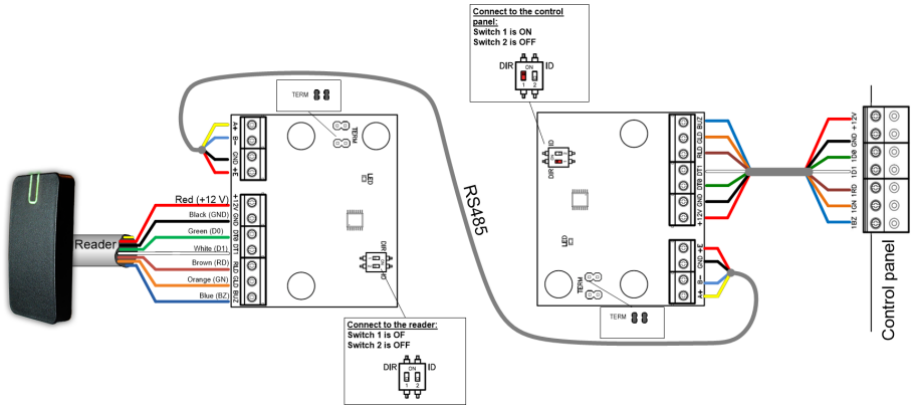


Panel terminal	Convertor terminal	Reader wire color	Wiegand
Name			
D0	DT0	Green	Data 0
D1	DT1	White	Data 1
+V	+12V	Red	+V
+GND	GND	Black	GND
RD	RLD	Brown	Red Led
GD	GLD	Orange	Green Led
BZ	BUZ	Blue	Beep

### Interface elongation

- Set the convertor which will be connected to the control panel into the 'master' mode, switching DIR (#1) into 'ON' position
- Set another convertor into 'slave' mode, switching DIR #1) into 'OFF' position and connect reader to it
- Switch ID(#2) on both convertors into the same position 'ON' or 'OFF'
- Short TERM jumpers on both convertors.

*It is possible significant voltage loss on long RS-485 bus. In this case, use larger gauge wire or install additional power supply unit on the remote site.*



## Limited Warranty

Integrated Technical Vision Ltd. warrants that for a period of eighteen months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Integrated Technical Vision Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not damages incurred in shipping or handling, or damages due to causes beyond the control of Integrated Technical Vision Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

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