WS4-CONV

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Converter Wiegand to RS485

USER'S MANUAL

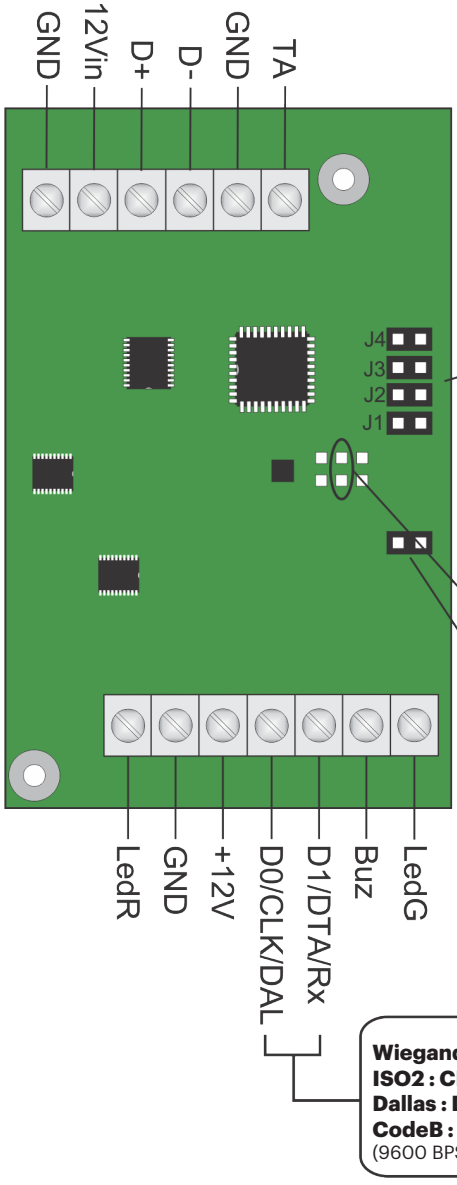
1. DESCRIPTION

This converter allows the connection of any type of reader (Wiegand, Data / Clock ISO2, Dallas and RS-232) to the local bus of the access units. The converter automatically adapts its inputs (D1/CLK/Dal and D0/DTA/Rx) to the reader's output.

2. SPECIFICATIONS

- Current consumption without external elements : 30 mA
- Output 13,8 Vdc : max. 300 mA
- Tamper input
- Dimensions (mm): 66 x 41

3. JUMPERS AND TERMINAL BLOCKS DESCRIPTION



Wiegand : DO & D1
ISO2 : CLK & DTA
Dallas : DAL
CodeB : Rx
(9600 BPS)

Reader's LEDs configuration

To configure the behavior of the LEDS, check the reader's manual and put the jumpers according to the table below.

		Reader's LEDs color							
		Orange		Red		Green		OFF	
Jumpers position	Type	LedR	LedG	LedR	LedG	LedR	LedG	LedR	LedG
/	/	/	z	/	z	/	z	/	z
J1	1 wire	/	z	/	LO	/	HI	/	z
J2	1 wire	/	z	/	HI	/	LO	/	z
J2&J1	2 wire	LO	LO	LO	z	z	LO	z	z
J3	2 wire	LO	LO	z	LO	LO	z	z	z
J3&J1	2 wire	z	z	z	LO	LO	z	LO	LO
J3&J2	2 wire	z	z	LO	z	z	LO	LO	LO
J3&J2&J1	2 wire	HI	HI	HI	z	z	HI	z	z
J4	2 wire	HI	HI	z	HI	HI	z	z	z
J4&J1	2 wire	z	z	z	HI	HI	z	HI	HI
J4&J2	2 wire	z	z	HI	z	z	HI	HI	HI

z: High impedance/three state
LO: 0 Volts
HI: +5 Volts

Jumper closed:
Wiegand mode: disables the possibility to use a Wiegand keypad



Jumper opened:
Wiegand mode: a Wiegand keypad can be used on D0/D1 input; The Keypad must be configured in Single Key - 8 bits Wiegand - Nibbles Complemented



Jumper opened: Address **0**
Jumper closed: Address **1**



Address **0**



Address **1**

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