chomtech.pl®
systemy bezpieczeństwa i autoidentyfikacji

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WIEGAND FORMATS CONVERTER

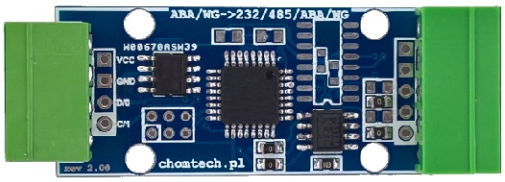
The converter with standard WIEGAND readers widely used in access control systems. The device allows you to change the number of bits and / or transmission format eg. from WIEGAND 37 to WIEGAND 26.

The converter allow to modernize and extend the functionality of the solutions – can be an alternative to costly replacement of the entire system. Device is used especially in systems: security, access control, time registration, logistics, warehouse, etc.

The use of universal interfaces allows to adjust or migrate different kinds of systems, readers, card.

The device can be programmed with customized algorithms, for example the number of bits changes only when the passage number assumes a predetermined value - for elongation (increasing) number by adding a predetermined value of fixed or variable. Number of combinations and process steps the card are able to change number, format, length of the string data, etc. There are a lot of possibilities to create a custom conversion.

To be built in (OEM).

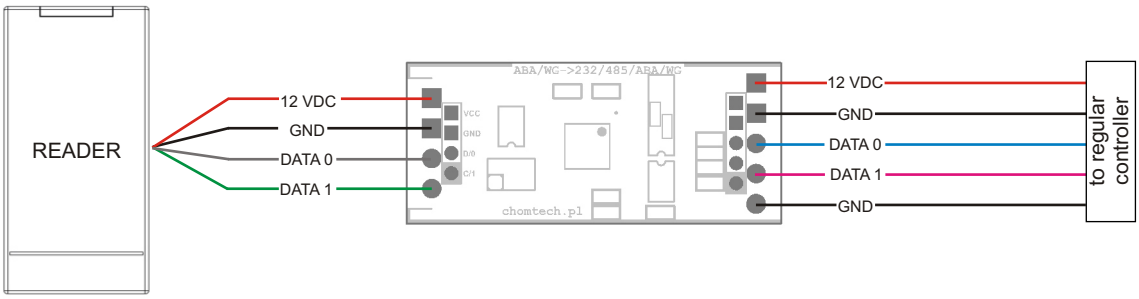


TECHNICAL SPECIFICATIONS

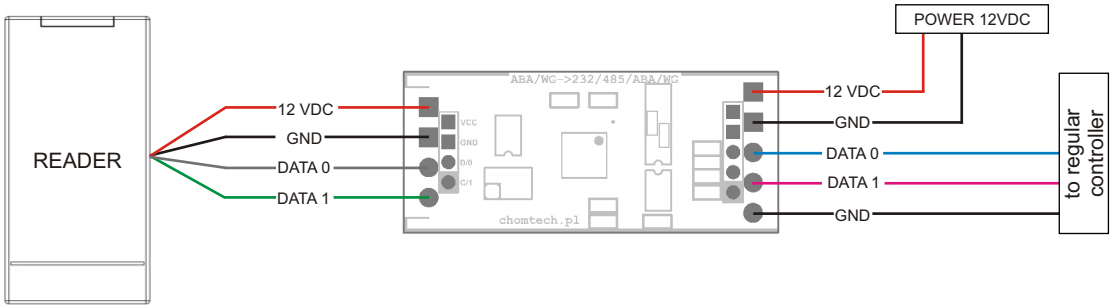
POWER SUPPLY	9-13V DC
POWER CONSUMPTION	~15mA (without readers)
READER'S INTERFACE	WIEGAND
COMPATIBLE READERS	proximity, biometrics, barcodes, magnetic, OCR, ICR, OMR, RFID UHF
TYPES OF CARD	compatibility with the reader technology
TRANSMISSION PARAMETERS OF THE WIEGAND	9600bps, None, 8, 1
DIMENSIONS [mm]	48 x 20 x 11
WEIGHT (g)	5 (PCB)
MOUNTING HOLES	4pcs - diameter 3mm
OPERATING TEMPERATURE	-10°C - +55°C
STORAGE TEMPERATURE	-20°C - +70°C
HUMIDITY RELATIVE	under 80%
OPTIONS	AC adapter 12V DC, 500mA; connection cables - 1m housing (material - ABS)

EXAMPLE OF CONNECTION DIAGRAM

EXAMPLES OF CONNECTION TO READER (POWER FROM REGULAR CONTROLLER)



EXAMPLES OF CONNECTION TO READER (POWER FROM REGULAR CONTROLLER AND AN EXTERNAL POWER SUPPLY)



EXAMPLES OF CONVERT FORMATS

INPUT FORMAT	OUTPUT FORMAT
H10301 26 bits	H10302 37 bits
H10301 26 bits	H10304 37 bits
H10301 26 bits	custom
custom	H10301 26 bits
H10302 37 bits	H10301 26 bits
H10302 37 bits	H10304 37 bits
H10302 37 bits	custom
custom	H10302 37 bits
H10304 37 bits	H10301 26 bits
H10304 37 bits	H10302 37 bits
H10304 37 bits	custom
custom	H10304 37 bits
custom	custom

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