

Wiegand to RS485 Converter (MA1408)

MaCaPS MA1408 is a Wiegand to RS485 converter supporting multi-drop. The converter can read two Wiegand Card Readers and convert Wiegand input from 24-bit up to 40-bit to a formatted ASCII string. In addition, the converter has two inputs and two relay outputs. It can be configured as a door control unit. The converters can be daisy chained together, up to 8 converters, and then polled by a host device. In addition, commands can be used to control the reader's LED and Buzzer.

1 Specification:

1.1 Communications:

9600 BPS ASYNC, 8 bits, 1 Stop, No Parity.

1.2 Transmission Distance:

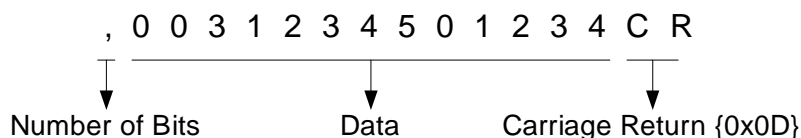
Maximum 4,000 ft. (1.2Km)

1.3 Number of Connections

Maximum 8 connections

1.4 Output Format:

The output of the converter is in the form of 15-byte ASCII string as follow:



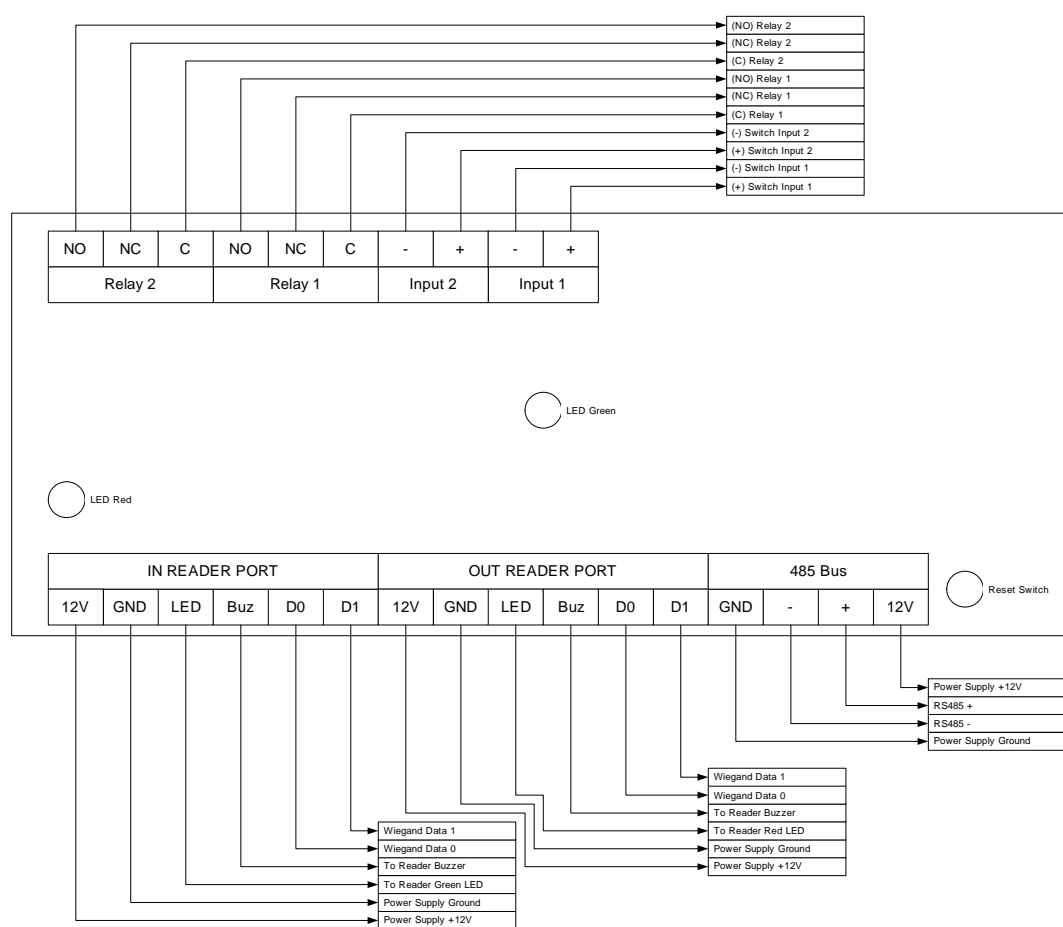
1.5 Representation of number of bits:

Character	SP	!	“	#	\$	%	&	‘	(
Number of bits	24	25	26	27	28	29	30	31	32
Character)	*	+	,	-	.	/	0	
Number of bits	33	34	35	36	37	38	39	40	

1.6 Command Data:

4 Bytes Hex Value	Description
02H31H30H03H	Turn on Reader LED
02H31H31H03H	Turn off Reader LED
02H31H32H03H	Toggle LED (Bi-Color LED Turns Orange)
02H32H30H03H	Turn on Reader Buzzer
02H32H31H03H	Turn off Reader Buzzer

2 Pin Connectors:



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