

CON100iB Multiply Interface Converter with iButton - Application Note

Manual Part Number: TMxxxxxx Rev 00

September 2008

(Preliminary)

REGISTERED TO ISO 9001:2000

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REVISIONS

Rev Number	Date	Notes
01	19 Sep 08	Initial Release

RS232 TO WIEGAND for Hardware

EXP 1 : RS232 (9600 bps) TO WIEGAND (26 BITS)

DIP SWITCH SETTING

DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
OFF	OFF	OFF	OFF	ON	OFF	ON	OFF

RS232 INPUT DATA

02h	31h	32h	33h	34h	35h	36h	37h	38h	39h	30h	0Dh	0Ah	03h
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

WIEGAND 26BITS OUTPUT DATA

1	0	1	0	1	0	1	1	0	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0
		5		6		7		8		9		0													

EXP 2 : RS232 (9600 bps) TO WIEGAND (34 BITS)

DIP SWITCH SETTING

DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
ON	OFF	OFF	OFF	ON	OFF	ON	OFF

RS232 INPUT DATA

02h	31h	32h	33h	34h	35h	36h	37h	38h	39h	30h	0Dh	0Ah	03h
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

WIEGAND 34BITS OUTPUT DATA

1	0	0	1	1	0	1	0	0	0	1	0	1	0	1	1	0	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	1
			3		4		5		6		7		8		9		0																

EXP 3 : RS232 (9600 bps) TO WIEGAND (42 BITS)

DIP SWITCH SETTING

DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
OFF	ON	OFF	OFF	ON	OFF	ON	OFF

RS232 INPUT DATA

02h	31h	32h	33h	34h	35h	36h	37h	38h	39h	30h	0Dh	0Ah	03h
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

WIEGAND 42BITS OUTPUT DATA

1	0	0	0	1	0	0	1	0	0	0	1	1	0	1	0	0	0	1	0	1																
				1		2		3		4		5																								
														0	1	1	0	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	0	1		
						6		7		8		9		0																						

RS232 TO MAGNETIC for Hardware

EXP 2: RS232 (9600 bps) TO MAGNEIC (ABA TK2)

DIP SWITCH SETTING

DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
OFF	OFF	OFF	OFF	ON	OFF	OFF	ON

RS232 INPUT DATA

02h	31h	32h	33h	34h	35h	36h	37h	38h	39h	30h	0Dh	0Ah	03h
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MAGNETIC OUTPUT DATA

3Bh	31h	32h	33h	34h	35h	36h	37h	38h	39h	30h	3Fh
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