

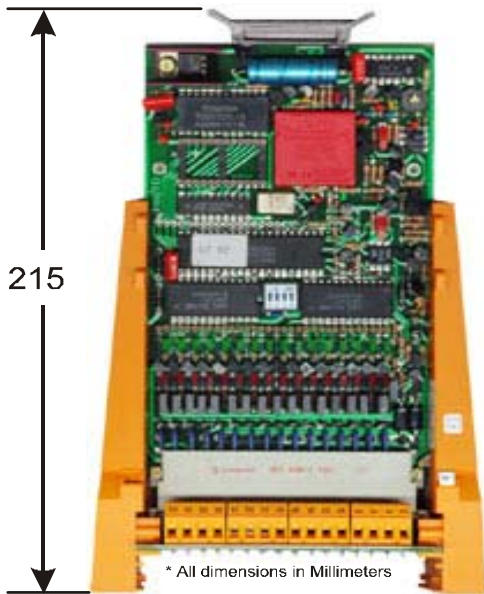
BALOGH



Control Board CEPR-94

Identification Systems

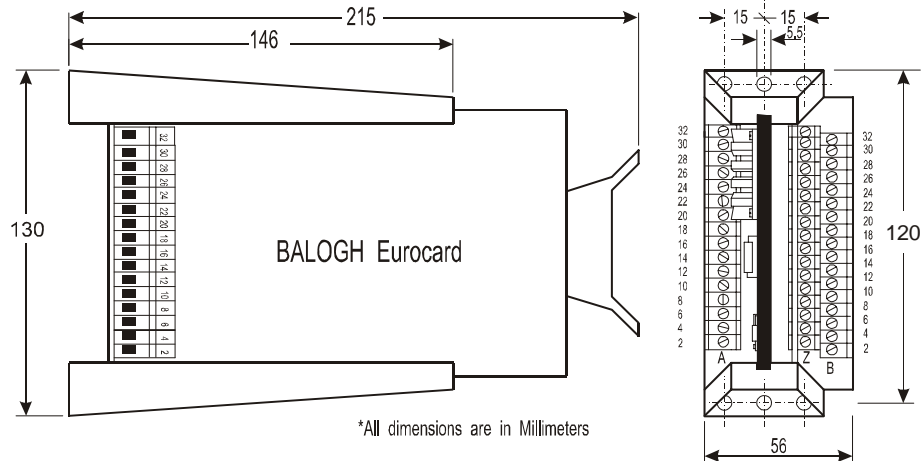
Description



- Programmable, Serial Board, Eurocard Format (100 x 160mm).
- Allows Reading and Writing of BALOGH OMA, and OMB TAGS.
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- Executes user designed programs for the control and management of data. User program is retained "on-board" in battery-backed RAM.
- 1K bytes of program memory
- 256 bytes of data memory
- 256 bytes of accumulator memory
- 16 byte register memory.
- 4 countdown timers.
- 16 outputs, LED indicated and short circuit protected.
- 16 LED indicated inputs.
- 1 principle RS-232 line, 75 to 9600 baud.
- 1 Auxiliary (Active Current Loop) serial output, 75 to 9600 baud.
- Requires GC-02 Board Holder

Characteristics at 25° C	Symbol	Unit	CEPR-94
V Supply (< 2% Ripple)	Vcc	V DC	24
Voltage Tolerance			-10% to +10%
Current Consumption	Im	MA	50
Serial Connection			20mA & RS-232
No. of Parallel Inputs			16(+1 Supplemental)
Input Impedance	Ze	K ohm	10
Input Logic 0		V	0 to 10
Input Logic 1		V	15 to Vcc
No. of Parallel Outputs			16
MAX Continuous Current (per Output)	Is	ma	250
MAX Voltage Drop across an Output	Vdrop	V	1.5
Output Logic 0		uA	Ir(50uA)
Output Logic 1		V	Vcc - 1.5
MIN Ambient TEMP	Tmin	°C	0
MAX Ambient TEMP	Tmax	°C	+70
Protection Degree	IP		00
Weight	M	g	300
MAX Cable Length Between Control Board and Transceiver			1000 ft
Short Circuit Protected			Yes
Protected against Inverse Polarity			Yes

CEPR-94 Control Board



Block A	Locations	Trans
2	+20 mA Passive Loop Input	
4	-20 mA Passive Loop Input	
6	+20 mA Passive Loop Output	
8	-20 mA Passive Loop Output	
10	Secondary RS-232 Output	
12	Principle RS-232 Output	
14	Principle RS-232 Input	
16	Signal Ground 0 V Transceiver Connected to	0 to FRB4
18	Board Input from Transceiver	S or FRB2
20	Board Output from Transceiver	E or FRB3
22	+V Transceiver connected to	V or FRB1
24	Secondary 24V DC Input	
26	+Vcc Activates Outputs Z0 – Z16	
28	+Vcc Activates Outputs Z18 – Z32	
30	0 V Supply Voltage	
32	+24 V DC Supply Voltage	

Block B	Locations
2	Input 0
4	Input 1
6	Input 2
8	Input 3
10	Input 4
12	Input 5
14	Input 6
16	Input 7
18	Input 8
20	Input 9
22	Input 10
24	Input 11
26	Input 12
28	Input 13
30	Input 14
32	Input 15

Block Z	Locations
2	Output 0
4	Output 1
6	Output 2
8	Output 3
10	Output 4
12	Output 5
14	Output 6
16	Output 7
18	Output 8
20	Output 9
22	Output 10
24	Output 11
26	Output 12
28	Output 13
30	Output 14
32	Output 15

Revised: August 5, 2002