

ERC-85 TRANSCIVER

DIMENSIONS:

130mm
x
80mm
x
40mm

DESCRIPTION:

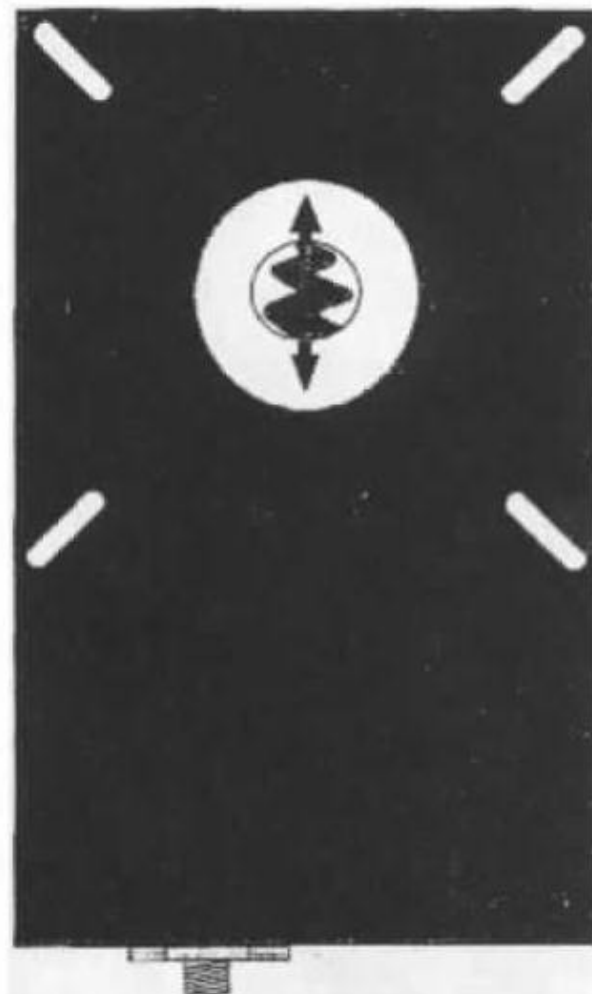
The ERC-85 Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, types; OMI/OMIFR, OMX-R8 and OMX-E8.

CONNECTIONS:

Connection is made between a BALOGH Control Board and Transceiver with a 4 conductor twin-shielded cable with wiring connections as follows:

TERMINALS	CONNECTIONS
V	+V DC
S	OUTPUT
E	INPUT
O	0V DC

(The letters indicating "EOSV" are located either inside the connection chamber or on the chamber's cap)



**ERC-85/QC Shown Above
(ERC-85 with Optional
"QC" Quick Connector)*

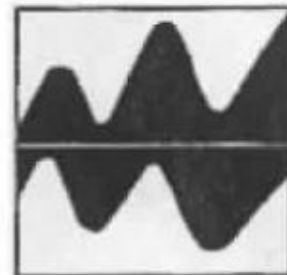
OPTIONAL Quick Connector & Cabling:

As an option the ERC-85 is available with a Quick Connector (ERC-85/QC) which is specially designed to mate with BALOGH's full line of shielded urethane jacket cable sets. Please contact BALOGH for additional connector/cabling information.

PLEASE consult the Assembly Manual for mounting/positioning recommendations or for further help call: (248) 486-RFID.

BALOGH

7699 Kensington Court
Brighton, MI 48116-8561
(248) 486-RFID



ERC-85 TRANSCIVER

CHARACTERISTICS (at 25°C)	SYMBOL	UNIT	WITH ELECTRONIC TAG			
			OMR-90	OMR-93	OMR-93/28	OMR-93/28
MAXIMUM RANGE	H	mm	50	50	50	50
STATIC TRANSMISSION ZONE: Height (at S)	Sr	mm	20	20	20	20
Typical Length (at S)	L	mm	100	100	100	100
Typical Width (at S)	w	mm	35	35	35	35
DYNAMIC TRANSMISSION ZONE						
Minimum Length (at S)	Lsr	mm	60	60	60	60
Maximum Lateral Offset	OSr	mm	12	12	12	12
Maximum Angular Offset	α°	°	20	20	20	20
Distance Between Two Transceivers	De	mm	600	500	800	500
Zone Without Metal Present			See Assembly Manual			
Power Supply (< 10% Ripple)	Ual	V DC	24 or 48			
Voltage Tolerance	ΔUal		-20% ; +15%			
Maximum Current Consumption	Im	mA	200			
Minimum Ambient Temperature	Tmin	°C	-25			
Maximum Ambient Temperature	Tmax	°C	+70			
Protection Degree	IP		65			
Weight	M	g	600			
Casing			R1000			
Interior Electronic Protection Material			Polyurethane			
Max. Length Cable To Control Board		m	300			
PROTECTED AGAINST:						
Polarity Reversal			YES			
Load Short-Circuit			YES			

OMX-93/R8 TAG



SIZE:

**75mm
x
50mm
x
15mm**

DESCRIPTION:

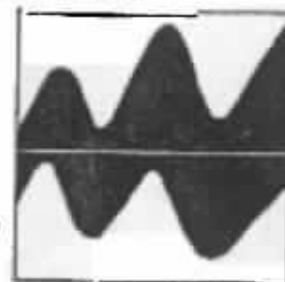
- *Electronic Read/Write TAG
- *Memory Capacity: 8K Bytes
- *Passive (Functions without power source)
- *High-Speed Data Transfer
- *Reads and Writes at a distance without contact
- *Reads/Writes "On The Fly" or in a stop

READ/WRITE SYSTEM:

Data can be READ or WRITTEN to an OMX-93/R8 TAG by a BALOGH ERC-85 Transceiver when used in conjunction with the following Control Boards:
BPR-46/XX, BS-45/XX, BIGE/XX, MRUC-20 w/MRER-21/XX,
BIBS-70/XX, BIBS-60/X, BIDN/XX, CEPR-95 w/1XR Buffer.
(For other combinations call 248-486-RFID)

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OMX-93/R8 TAG

CHARACTERISTICS (AT 25°C)	SYMBOL	UNIT	WITH TRANSCEIVER	
			ERG-85	
MAXIMUM RANGE	H	mm	50	
STATIC TRANSMISSION ZONE Height (at Sr)	Sr	mm	20	
Typical Length (at Sr)	L	mm	100	
Typical Width (at Sr)	W	mm	35	
DYNAMIC TRANSMISSION ZONE				
Minimum Length (at Sr)	LSr	mm	60	
Maximum Lateral Offset	DSr	mm	12	
Maximum Angular Offset	α°	°	20	
Distance Between Two TAGS	De	mm	200	
Zone Without Metal Present			See Assembly Manual	
Power Supply	Vcc	V	No Power Necessary	
Memory Capacity	nb	BYTE	8K	
Memory Mode			Non-Volatile RAM	
Reading Speed		BYTE	0.4 ms/byte	
Writing Speed		BYTE	0.5 ms/byte	
Number Of Read/Writes			Unlimited	
Ambient Min. Temperature	Tmin	°C	-25	
Ambient Max. Temperature	Tmax	°C	+70	
Weight	M	g	100	
IP Rating	IP		67	
Casing			Elsan	
Interior Electronic Protection Material			Polyurethane	