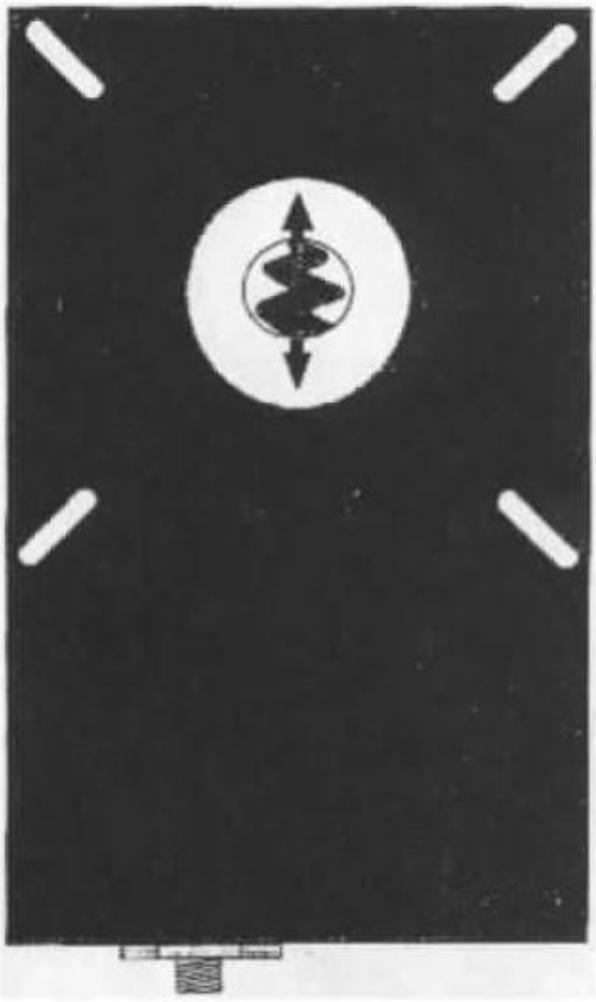
ERC-85 TRANSCEIVER

DIMENSIONS:

130mm x 80mm x 40mm



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

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)

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 TRANSCEIVER

CHARACTERISTICS (At 25°C)	SYMBOL	UNIT	WITH ELECTRONIC TAG: OMI-93	OMR-93	OMX-93/28	OMX-93/EB
MAXIMUM RANGE	H	mm	50	50	50	50
STATIC TRANSMISSION ZONE:						
Height (at Sr)	Sr	mm	20	20	20	20
Typical Length (at Sr)	L	mm	100	100	100	100
Typical Width (at Sr)	W	mm	35	35	35	35
DYNAMIC TRANSMISSION ZONE						
Minimum Length (at Sr)	LSr	mm	60	60	60	60
Maximum Lateral Offset	OSr	mm	12	12	12	12
Maximum Angular Offset	<°	°	20	20	20	20
Distance Between Two Transceivers	Dsr	mm	600	500	600	500
Zone Without Metal Present			See Assembly Manual			
Power Supply (< 10% Ripple)	Ual	V DC	24 or 48			
Voltage Tolerance	dUal		-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			Rilsan			
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 Tranfer
*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/IXR Buffer. (For other combinations call 248-486-RFID)

BALOGH

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

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)	'	mm	35
DYNAMIC TRANSMISSION ZONE			
Minimum Length (at Sr)	LSr	mm	60
Maximum Lateral Offset	DSr	mm	12
Maximum Angular Offset	<°	°	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			Ribsan
Interior Electronic Protection Material			Polyurethane