



# Transceiver ERA-85

## Identification Systems

### Description

The ERA-85 Transceiver/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS. Consult with BALOGH for latest configurations.

### DESCRIPTION:

The ERA-85 Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, type: OF, OFR, OC, OMA, GIE, or for Dialog Communications with other BALOGH Transceivers.

**Dimensions:**  
130 mm  
x  
80 mm  
x  
40 mm



### Connections

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

Connection to Control Board	
Terminals	Connections
1	+V DC
2	Output
3	Input
4	0V DC

Please consult the Assembly Manual for mounting/positioning recommendations or call BALOGH for further help.

Revised: August 1, 2002

# Transmitting Characteristics

## Characteristics at 25° C

		SYMBOL	UNIT	OMA-931	OMA-85	GIE-711	GIE-931	OF-93
Maximum Range		H	mm	30	40	13	24	20
Static Transmission Zone	Typ. Height at Sr	Sr	mm	21	28	9	16	14
	Typ. Length at Sr	L	mm	30	40	12	35	30
	Typ. Width at Sr	I	mm	25	50	15	30	12
Dynamic Transmission Zone	Minimum Length at Sr	LSr	mm	24	32	9	28	24
	Maximum Lateral Offset	DSr	mm	16	22	7	12	11
	Maximum angular Offset	<°	°	20	20	20	20	20

	Symbol	Unit	
Power Supply (<10% ripple)	Ual	V DC	24 or 48
Voltage Tolerance	Dual		-20% : +15%
Max Current Consumption	Im	Ma	150
Min Ambient Temperature	Tmin	C°	-25
Max Ambient Temperature	Tmax	C°	+70
Distance Between Transceivers	Der	mm	1200
Protection Degree	IP		65
Weight	M	g	600
Casing			Rilsan
Interior Electronic Protection Material			Polyurethane
Max. Length Cable to Control Board		M	300
Polarity Reversal			YES
Load Short-Circuit			YES