Transceiver

ERA-71

Identification Systems

Description

The ERA-71 Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, type: OC, OD, OF, OF/R OMI, OMA or for Dialog Communications with another BALOGH Transceiver.

The ERA-71 has frontal and top sensing faces for transmission purposes.

Connections

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

Dimensions: 113mm x 40mm x 40mm

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

Revised: December 23, 2002

Transmitting Characteristics

Transceivers

		Symbol	Unit		WITH ELECTRONIC TAG			
					OMA-71	OC-93	OD-93	OMA93
Maximum Distance of Use		H	mm		20	25	25	25
Static Transmission Zone	Typ. Height at Sr	Sr	mm		8	10	10	10
	Typ. Length at Sr	L	mm		40	60	60	60
	Typ. Width at Sr	I	mm		20	30	30	30
Dynamic Transmission Zone	Minimum Length at Sr	LSr	mm		25	45	45	45
	Maximum Lateral Offset	DSr	mm		5	7.5	7.5	7.5
	Maximum angular Offset	<°	°		20	20	20	20

Mechanical Characteristics EIR-85

Ambient Temperature	-25°C to +70°C
Weight	400 g
Protection Degree	IP 65
Casing	Rilsan

Characteristics at 25° C	Symbol	Unit	
Power Supply (<10% ripple)	Ual	V DC	24 or 48
Voltage Tolerance	Dual		+/-10%
Max Current Consumption	Im	mA	150
Min Ambient Temperature	Tmin	C°	-25
Max Ambient Temperature	Tmax	C°	+70
Distance Between Transceivers	Der	mm	250
Protection Degree	IP		65
Weight	M	g	200
Casing			Rilsan
Interior Electronic Protection Material			Polyurethane
Max length Cable to Control Board		m	300
Protected against Polarity Reversal			Yes
Protected against Load Short Circuit			Yes

Connection to Control Board

Terminals	Connections
V	+V DC
E	Input
S	Output
O	0V DC

(The letters indicating “EOSV” are located either inside the connection chamber or on the chamber’s cap.)