

BALOGH



ERO-71/QC Transceiver

Industrial RFID Transceiver

Orange Product Range



Compatible Tags

OMA	Industrial Read-Write Tag Series
GIE	Industrial R/W Enhanced Speed Tag Series
OC	Industrial Fixed Code Read-Only Tags
OF	Industrial Read-Only Tags

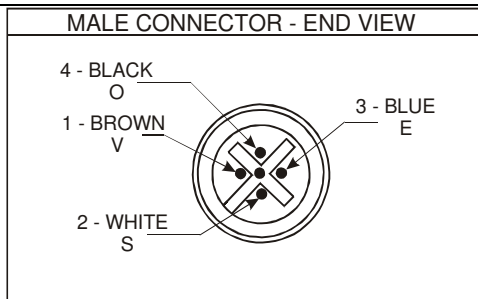
Description

The ERO-71/QC Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, type; OC, OF, OFR, OMA, GIE or for Dialog Communications with another BALOGH Transceiver.

Characteristics

- Power Supply (<10% Ripple) 24 V DC
- Voltage Tolerance -10% +10%
- Max Current Consumption 150 mA
- Min Ambient Temperature -25 °C
- Max Ambient Temperature +70 °C
- Distance Between Transceivers 250 mm
- IP 65 Rated
- Weight: 200 g
- Rilsan Casing
- Polyurethane Potting
- Protected Against Polarity Reversal
- Protected Against Load Short-Circuit

QC Connector Pin-Out



QC Connection to Main Board

Terminals	Connections
1	+V DC
2	Output
3	Input
4	0V DC

Tag Compatibility Information Chart						
Tag Type		OMA-711	OMA-731	OMA-831	OMA-851	OMA-931
Maximum Range		20 mm	16 mm	25 mm		25 mm
Static Transmission Zone	Typical Height at Sr	8 mm	6.5 mm	10 mm		10 mm
	Typical Length at Sr	50 mm	40 mm	60 mm		60 mm
	Typical Width at Sr	25 mm	25 mm	30 mm		30 mm
Dynamic Transmission Zone	Minimum Length at Sr	40 mm	40 mm	40 mm		45 mm
	Max Lateral Offset	7.5 mm	4 mm	200 mm		7.5 mm
	Max Angular Offset	20 mm	20 mm	12 mm		20 mm

Tag Compatibility Information Chart						
Tag Type		GIE-711	GIE-731	GIE-831	GIE-851	GIE-931
Maximum Range		20 mm	12.5 mm	25 mm		25 mm
Static Transmission Zone	Typical Height at Sr	8 mm	5 mm	10 mm		10 mm
	Typical Length at Sr	50 mm	36 mm	60 mm		60 mm
	Typical Width at Sr	25 mm	22 mm	30 mm		30 mm
Dynamic Transmission Zone	Minimum Length at Sr	40 mm	28 mm	40 mm		45 mm
	Max Lateral Offset	7.5 mm	4 mm	7.5 mm		7.5 mm
	Max Angular Offset	20 mm	20 mm	20 mm		20 mm

Tag Compatibility Information Chart						
Tag Type		OC-56	OC-85	OC-93		
Maximum Range		27 mm				
Static Transmission Zone	Typical Height at Sr	11 mm				
	Typical Length at Sr	70 mm				
	Typical Width at Sr	45 mm				
Dynamic Transmission Zone	Minimum Length at Sr	40 mm				
	Max Lateral Offset	10 mm				
	Max Angular Offset	20 mm				

Tag Compatibility Information Chart							
Tag Type		OF-56	OF-71	OF-73	OF-83	OF-85	OF-861
Maximum Range		27 mm	16 mm	16 mm	23 mm	27 mm	
Static Transmission Zone	Typical Height at Sr	11 mm	6 mm	6 mm	9 mm	11 mm	
	Typical Length at Sr	70 mm	48 mm	48 mm	55 mm	70 mm	
	Typical Width at Sr	45 mm	25 mm	25 mm	25 mm	45 mm	
Dynamic Transmission Zone	Minimum Length at Sr	11 mm	40 mm	40 mm	45 mm	40 mm	
	Max Lateral Offset	10 mm	4 mm	4 mm	7.5 mm	10 mm	
	Max Angular Offset	20 mm	20 mm	20 mm	20 mm	20 mm	

Tag Compatibility Information Chart (Cont.)

Tag Type		OF-931				
Maximum Range		25 mm				
Static Transmission Zone	Typical Height at Sr	20 mm				
	Typical Length at Sr	60 mm				
	Typical Width at Sr	30 mm				
Dynamic Transmission Zone	Minimum Length at Sr	45 mm				
	Max Lateral Offset	7.5 mm				
	Max Angular Offset	20 mm				

Dimensional Drawing

