

BALOGH



ERO-80/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

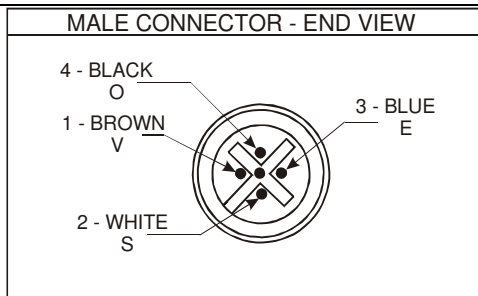
Description

The ERO-80/QC Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, type: OC, OF, OF/R, 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 2000 mm
- IP 65 Rated
- Weight: 500 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			70 mm	28 mm	180 mm	120 mm
Static Transmission Zone	Typical Height at Sr		28 mm	14 mm	72 mm	48 mm
	Typical Length at Sr		115 mm	220 mm	360 mm	240 mm
	Typical Width at Sr		80 mm	40 mm	160 mm	150 mm
Dynamic Transmission Zone	Minimum Length at Sr		58 mm	200 mm	220 mm	160 mm
	Max Lateral Offset		22.5 mm	12 mm	40 mm	37.5 mm
	Max Angular Offset		20 mm	20 mm	20 mm	20 mm

Tag Compatibility Information Chart						
Tag Type		GIE-711	GIE-731	GIE-831	GIE-851	GIE-931
Maximum Range				28 mm	100 mm	100 mm
Static Transmission Zone	Typical Height at Sr			14 mm	40 mm	40 mm
	Typical Length at Sr			220 mm	200 mm	200 mm
	Typical Width at Sr			40 mm	60 mm	120 mm
Dynamic Transmission Zone	Minimum Length at Sr			200 mm	150 mm	120 mm
	Max Lateral Offset			12 mm	18 mm	30 mm
	Max Angular Offset			20 mm	20 mm	20 mm

Tag Compatibility Information Chart						
Tag Type		OC-56	OC-85	OC-93		
Maximum Range		180 mm	120 mm	120 mm		
Static Transmission Zone	Typical Height at Sr	72 mm	48 mm	48 mm		
	Typical Length at Sr	360 mm	240 mm	240 mm		
	Typical Width at Sr	160 mm	150 mm	150 mm		
Dynamic Transmission Zone	Minimum Length at Sr	220 mm	160 mm	160 mm		
	Max Lateral Offset	40 mm	37.5 mm	37.5 mm		
	Max Angular Offset	20 mm	20 mm	20 mm		

Tag Compatibility Information Chart							
Tag Type		OF-56	OF-71	OF-73	OF-83	OF-85	OF-861
Maximum Range		110 mm	80 mm		100 mm	110 mm	90 mm
Static Transmission Zone	Typical Height at Sr	44 mm	30 mm		40 mm	44 mm	36 mm
	Typical Length at Sr	220 mm	160 mm		180 mm	220 mm	200 mm
	Typical Width at Sr	150 mm	120 mm		120 mm	150 mm	120 mm
Dynamic Transmission Zone	Minimum Length at Sr	200 mm	120 mm		140 mm	200 mm	160 mm
	Max Lateral Offset	40 mm	35 mm		37.5 mm	40 mm	30 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		100 mm				
Static Transmission Zone	Typical Height at Sr	40 mm				
	Typical Length at Sr	180 mm				
	Typical Width at Sr	120 mm				
Dynamic Transmission Zone	Minimum Length at Sr	140 mm				
	Max Lateral Offset	37.5 mm				
	Max Angular Offset	20 mm				

Dimensional Drawing

