

BALOGH

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ERC-100/QC Transceiver

RFID Transceiver

Industrial RFID Transceiver**Orange Product Range**

Compatible Tags

OMX	High Speed Industrial Read-Write Tag Series

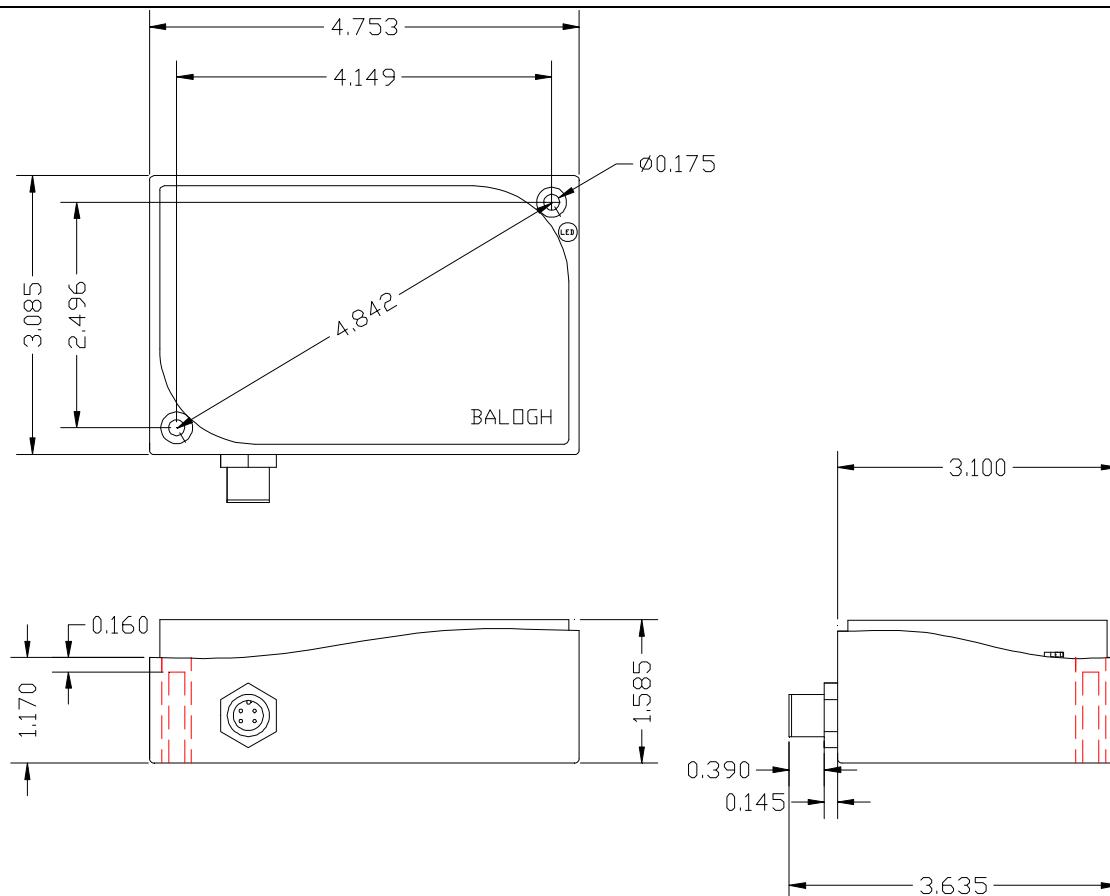
Description	Characteristics
<p>The ERC-100 Transceiver when used with a BALOGH Control Board that supplies power to the transceiver and operational commands allows Reading and/or Writing of data to BALOGH RFID Tags via an inductive electro-magnetic field that powers the RFID Tag and communicates using pulse width modulation and a proprietary BALOGH protocol</p> <p>The ERC-100 has an available Quick Connector (QC) to help simplify installation.</p>	<ul style="list-style-type: none"> • 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 1200mm • IP 65-67 Rated • Weight: 525 g • Rislant Casing • Polyurethane Potting • Protected Against Polarity Reversal • Protected Against Load Short-Circuit

QC Connector Pin-Out	QC Connection to Main Board	
MALE CONNECTOR - END VIEW	Terminals	Connections
4 - BLACK O	1	+V DC
1 - BROWN V	2	Output
3 - BLUE E	3	Input
2 - WHITE S	4	0V DC

Tag Compatibility Information Chart

Tag Type	OMX-931				
Maximum Range	40 mm				
Static Transmission Zone	Typical Height at Sr	28 mm			
	Typical Length at Sr	100 mm			
	Typical Width at Sr	35 mm			
Dynamic Transmission Zone	Minimum Length at Sr	60 mm			
	Max Lateral Offset	12 mm			
	Max Angular Offset	20 mm			

Dimensional Drawing



FCC ID: G8630100X, This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.