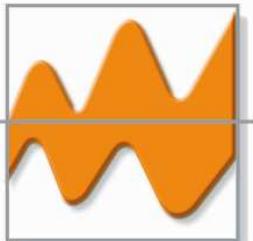


BALOGH

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TCF-100 Transceiver

RFID Transceiver

Industrial RFID Transceiver**Gray Product Range**

Compatible Tags

TAF	Light Industrial Read/Write Tags

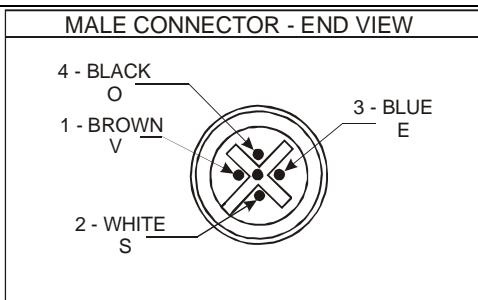
Description

The TCF-100 Transceiver when used with a BALOGH Control Board allows Reading and/or Writing of data to BALOGH RFID TAF series Tags. The TCF-100 operates at 13.56 MHz and is a transponder based system that provides power to the RFID tag. Communications is established using FSK modulation and the ISO18000-1 protocol.

Characteristics

- Power Supply (<10% Ripple) 24 V DC
- Voltage Tolerance -20% +15%
- Max Current Consumption 150 mA
- Min Ambient Temperature -25 °C
- Max Ambient Temperature +70 °C
- Distance Between Transceivers 1200 mm
- IP 65 Rated
- Weight: 550 g
- PBT-GF 30-V0 & Zamac Casing
- Polyurethane Potting
- Protected Against Polarity Reversal
- Protected Against Load Short-Circuit

QC Connector Pin-Out



QC Connection to Main Board

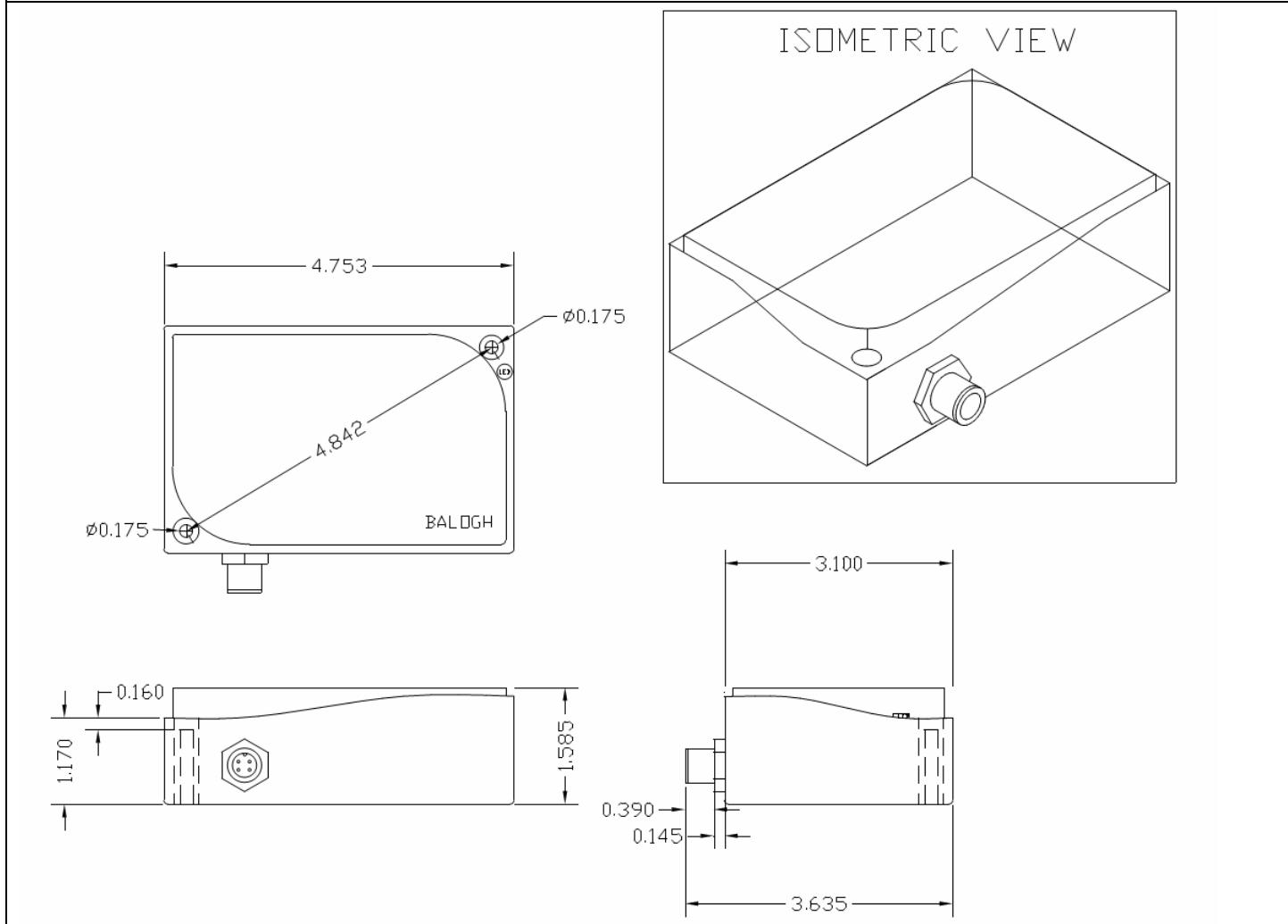
Terminals	Connections
1	+V DC
2	Output
3	Input
4	0V DC

Tag Compatibility Information Chart

Tag Type	TAF-50	TAF-932				
Maximum Range	100 mm*	140 mm*				
Static Transmission Zone	Typical Height at Sr	50 mm	70 mm			
	Typical Length at Sr	100 mm	140 mm			
	Typical Width at Sr	73 mm	73 mm			
Dynamic Transmission Zone	Minimum Length at Sr					
	Max Lateral Offset					
	Max Angular Offset					

* 25 mm Minimum Distance from Transceiver

Dimensional Drawing



FCC ID: G8630100FC, 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.