

BALOGH

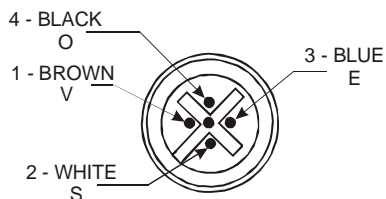
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TCF-100 Transceiver
RFID Transceiver**Industrial RFID Transceiver****Gray Product Range****Compatible Tags****TAF****Light Industrial Read/Write Tags****Description**

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**MALE CONNECTOR - END VIEW****QC Connection to Main Board****Terminals****Connections**

1

+V DC

2

Output

3

Input

4

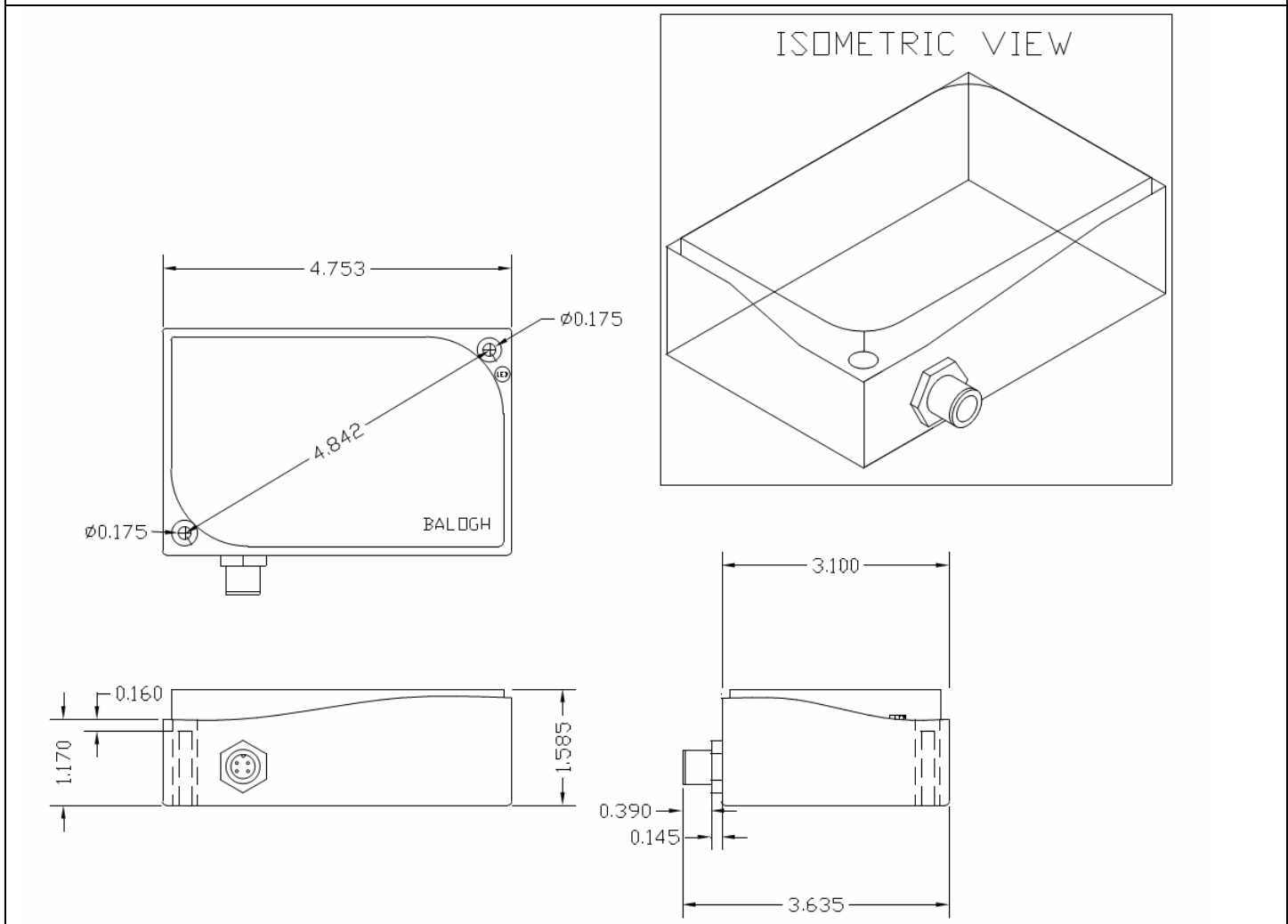
0V DC

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.