FAC-R FREQUENCY TO ANALOG CONVERTER – WITH BLUETOOTH

Ideal for converting your frequency output to analog with an easy-to-use handheld mobile device.

APPLICATIONS

The FAC-R Frequency to Analog Converter is ideal in any application when sending an analog signal to a PLC or other control system. It works with any frequency output sensor, such as flow meters, tachometers, pumps/motors, and linear or rotational encoders.

FEATURES

- Full input frequency range 0.25Hz to 5,000Hz
- Analog output signal defaults to 4-20mA and 0-10V (0-5V, 1-5V & 2-10V available through PC Toolkit or "AWL Mobile Toolkit" mobile app)
- Excellent linearity, high temperature stability and long-term stability
- Powered by 10-28VDC
- 16-bit analog output resolution
- Bluetooth enabled for wireless setup from a mobile device

BENEFITS

Bluetooth
These modules are equipped with Blootooth for easy trouble-shooting and setup using our "AWL Mobile Toolkit" App.

Setup Options
Choose from the "AWL Mobile Toolkit" application, the AW-Lake Toolkit PC software, or the local switches on the device to set your parameters.

Economical
This device is a much better investment than a high-speed PLC counter card and eliminates the need for a multimeter.

Linearizer
To improve output accuracy with some flow meters which are non-linear, a 10-point linearization table can be utilized through the Bluetooth app.

Wireless Hand-Held Display
Using the Bluetooth mobile app on your phone, you now have a wireless flow monitor in your hand!

Streamlined Setup
The Bluetooth app makes setup and scaling much easier, because no longer do you need to walk from the device to your monitoring equipment when fine-tuning your adjustments.

TECHNICAL SPECIFICATIONS

Supply Voltage Range
10-28Vdc

Input Frequency
0.25Hz to 5KHz, 5V to 24V max amplitude

Analog Output Options
4-20mA & 0-10V - Default
0-5V, 1-5V & 2-10V - Available through PC Toolkit or "FAC Terminal" mobile app

Standard Max Output
+2.5% of max scaling (20.5mA/5.125V /10.25V)

Error Indication
+10% of max scaling (22mA/5.5V/11V)

Analog Output Resolution
16 bit

Analog Output Update Time
25mSec minimum

Ambient Temperature
-40°F to 185°F (-40°C to 85°C)

Bluetooth
Contains Bluetooth Transmitter Module
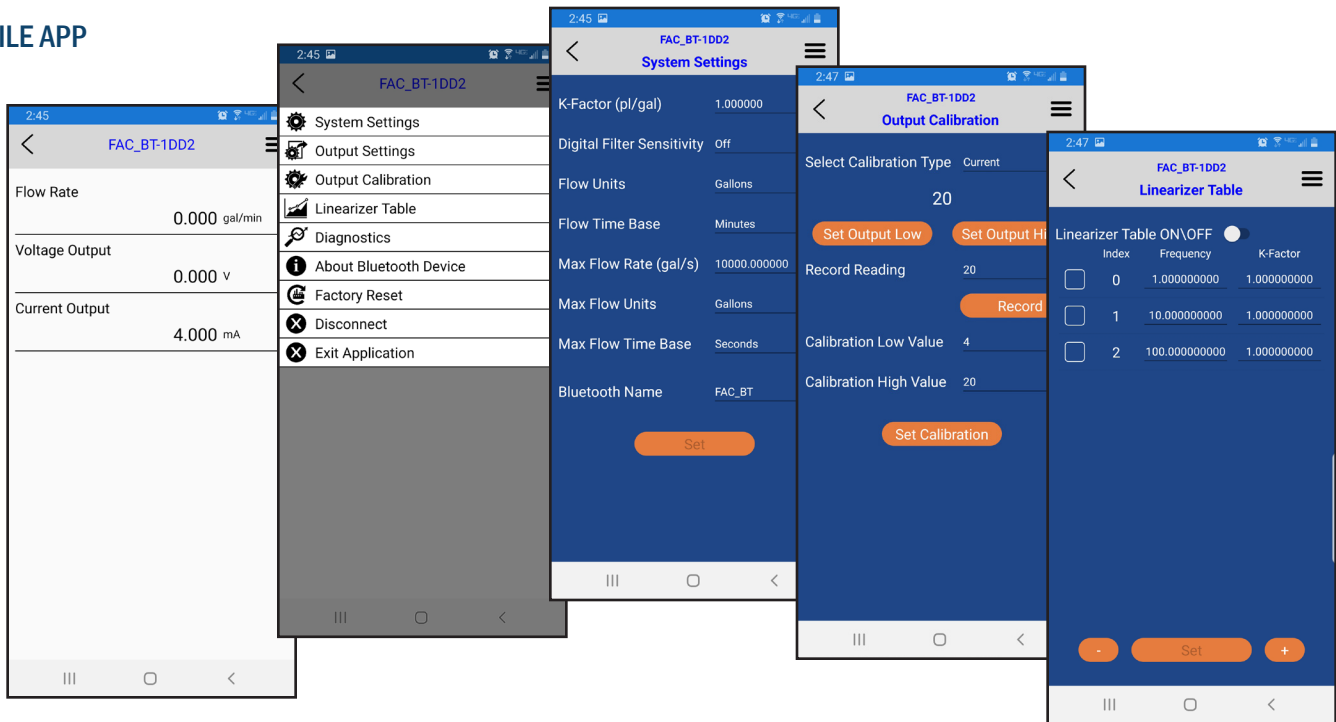FCC ID:12208A-01

ACCESSORIES

Cables

USB-SERIAL-4PIN
Used to connect unit to a PC to access the Toolkit for programming and setup.
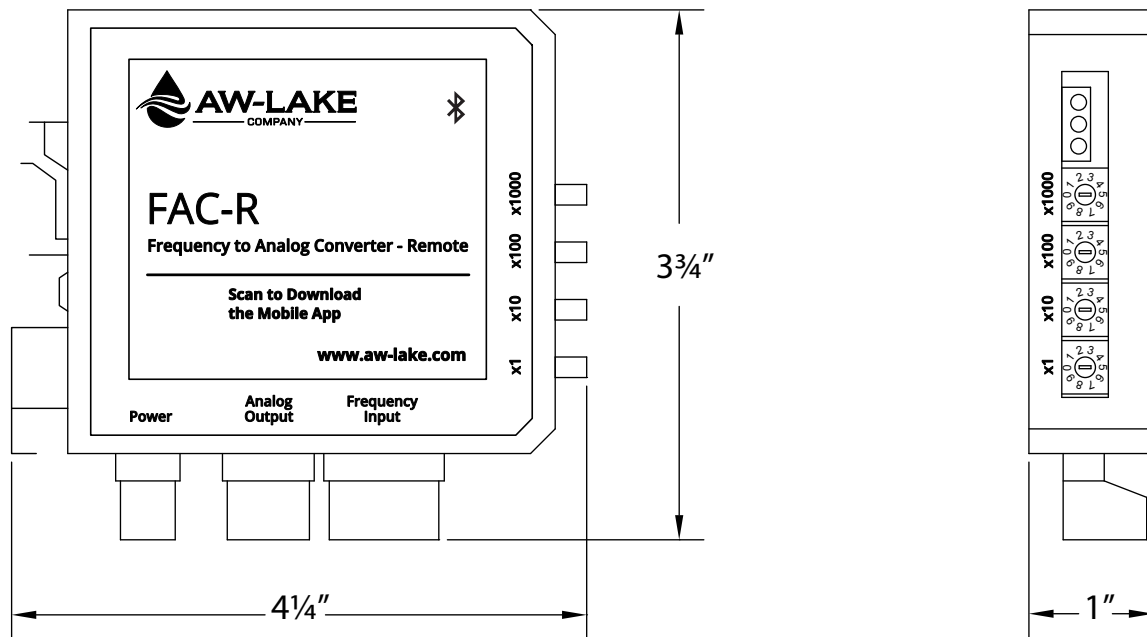
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MOBILE APP

DIMENSIONS

FAC-R
Frequency to Analog Converter - Remote

Scan to Download
the Mobile App

www.aw-lake.com

Power   Analog Output   Frequency Input

3¾"   4¼"   1"

Products may be subject to change without notice - Contact factory for the most up-to-date product information.