



BASI Instrument AB, e-mail: sales@basi.se, www.basi.se

ISOLATED PWM-SIGNAL CONVERTER

6: T+%

OPERATION MANUAL



Please read this Operation Manual before mounting and operating!
Save the Manual for future references!

Overview

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BFT712 converts a PWM signal into standard current or voltage signal that can be safely sent over long distances to remote indicators, data loggers, or controllers. The device allows on-site selection of the output type and provides 1500 VAC input/output isolation.

Mounting and Wiring

Mounting

BFT712 is designed to be easily mounted on every 35 mm rail conforming to EN50022.

Wiring

- ◆ Wire the input through terminals 5(+) and 6(-).
- ◆ Connect the right power supply voltage (see '**Specifications**') via terminals 3(+) and 1(-).
- ◆ Get the output between terminals 2(+) and 1(-).
- ◆ In order to minimize measuring errors, make sure the connecting screws are tightened enough.

Configuring

- ◆ Find the 2-key DIP switch on the right side of the unit.
- ◆ To set the desired output type, set the DIP switch keys according to the chart printed on the device label.

Indication

- ◆ The 'Power' LED lights while the power supply is on.
- ◆ The LED blinks when the input frequency is out of range.



The undersigned hereby declares, on behalf of BASI., that this isolated PWM-signal converter model BFT712 has been manufactured in compliance with the standard EN 61326-1, and meets the requirements of Directive 2004/108/EC.

A handwritten signature in black ink, appearing to be 'A. J. ...'.

Waste Disposal



Do not dispose of electronic devices together with household waste material!

If disposed of within European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

Input Signal	PWM 10...2000 Hz, 10...30 V
Input / Output Isolation	1500 VAC for 1 min
Output Signal	0(4)...20 mA or 0(2)...10 V, selectable
Admissible Output Load	max. 600 Ω at 20 mA; min. 1 k Ω at 10 V
Transmission Range	0...100%
Power Supply	10...30 VDC
Measurement Error	0,5% from span
Temperature Drift	0.01% from span for 1 °C
Ambient Temperature / Humidity	-20...85 °C / 0...95% RH
Protection Class	IP20

Warranty and Support

Warranty

BASI warrants this product to be free from defects in materials and workmanship for 2 years. If your unit is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear or tear, or consequential or incidental loss. This warranty does not cover any defects caused by wrong transportation, storage, installation, or operating (see '**Specifications**').

Technical support

In the unlikely event that you encounter a problem with your BASI device, please call your local dealer or contact directly our support team.

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article number

.....
serial number

.....
manufacturing date

QC check mark(passed)
(stamp)

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