

# BG Systems JFfmt Joystick

## JFfmt

### Overview

The JFfmt series micro joystick is a robust high precision force transducer. Typical applications for the JFfmt range from computer labs, industrial equipment, remotely piloted vehicles, payload control, and military equipment such as computer based training systems. The rugged design means that they will provide reliable service for extended periods, backed by a two year warranty.

The JFf produces an output based on the force applied in either the lateral or longitudinal axis.

### Key Features

#### Mechanical

Internal mechanical parts are anodized aluminum and stainless steel.

#### Electrical

The force applied to the joystick is measured by silicon strain gauges, which provide output voltage through a signal conditioning amplifier. The centering repeatability error is less than 0.5%. Switches provide a closed contact to a common input.

#### Mounting

The JFfmt is mounted either with a lock nut into a 1/4" mounting hole.

#### Reliability

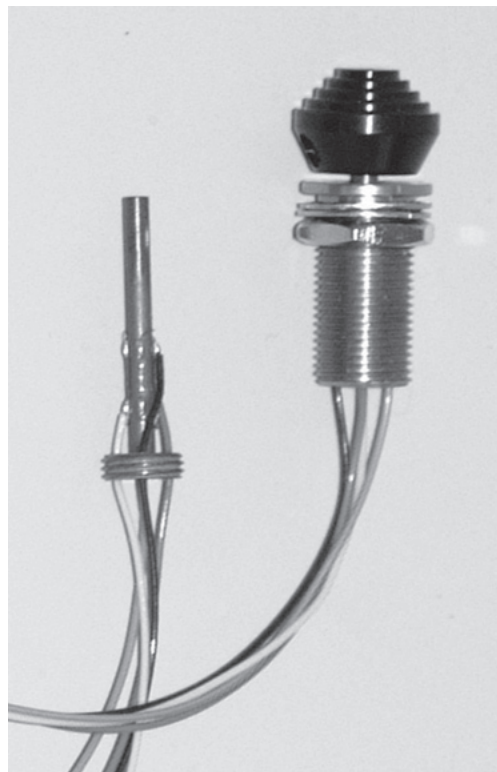
With no moving parts the life of the mechanical system has no limit.

#### Warranty

The JFf joysticks carry a 2 year warranty from the date of installation in customer equipment.

#### Knobs

The standard is a hat style anodized aluminum knob. Other options are available upon request.



### Technical Specifications

#### Electrical

Vcc	5 - 18 vDC
Output Voltage	0.0 to Vcc
Center Voltage	50% Vcc
Output Current	10 mA max
Supply Current	16 mA (at 5 vDC Vcc)

#### Physical

Weight	0.1 lbs
Length	1.25"
Below Panel	0.75"
Diameter	0.5"
Shaft Diameter	3/8"

#### Environmental

Operating Temperature	-20°C to 40°C
Storage Temperature	-20°C to 40°C
Humidity	Less than 95%

### Ordering Information

Part Number	Description
JFfmt1-h	1 axis, hat
JFfmt2-h	2 axis, hat
JFfmt1-i	1 axis, inverted
JFfmt2-i	2 axis, inverted

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