



Product Data

EFP*

Floating Point Input to Pneumatic Output
Single Valve, Dual Valve, and Fail Safe

Product Description

The EFP* converts a floating point signal into a proportional pneumatic signal ranging from 0-20psig. It is designed with electrical terminals on one end and pneumatic connections on the other, allowing for maximum convenience in wiring and tubing installation when panel mounted.

Three basic configurations are available:

The **EFP** is a constant bleed interface with branch exhaust response time determined by the bleed orifice size and pressure differentials. If power fails to the EPW, it will continue to bleed through the bleed orifice until branch pressure is zero psig.

The **EFP2** incorporates two valves (one controls exhaust) and does not bleed air at set point. Its branch exhaust flow and response time are not limited by an internal restrictor and are similar to its load rate. If power fails to the EFP2, branch line pressure remains constant if the branch line does not leak air.

FAIL SAFE: The **EFP2FS** is a two valve fail safe model. Its 3-way branch exhaust valve allows exhaust of branch line air on a power failure.

The EFP is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: www.workaci.com.

Specify: **EFP** _____

- 1 valve - 0.007" constant bleed orifice (41 scim)
- 2** - 2 valve - maintains branch pressure (750 scim exhaust)
- 2G** - 2 valve - maintains branch pressure (750 scim exhaust)
- 2FS** - 2 valve - exhausts on power failure (750 scim exhaust)
- 2GFS** - 2 valve - exhausts on power failure (750 scim exhaust)

G = 0-30 psi (206.85 kPa) gauge
DRC Kit = Optional Din Rail Mounting Kit

Interface Devices



Attributes:

- **EFP2 and EFP2FS have new circuitry-quiet operation**
- **Integral 80-100 micron Filter in Barb Fitting**
- **Four field selectable rates of change**
- **Field selectable output ranges**
- **Analog feedback on branch pressure**
- **Snap track included**

Applications:

- **3 Way Mixing Valve Control**
- **Chiller Loading**
- **Pilot Positioner Control**
- **Pneumatic Valve and Damper Actuator Control**
- **Fan Vane Control**
- **Compressor Staging**



Made in the **USA**

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See reverse side for product specifications

Wiring Diagrams available at www.workaci.com

TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

GAS SENSORS

ACCESSORIES

INTERFACE DEVICES

Product Specifications

Supply Voltage	24VAC (+/-10%), 50 or 60Hz, 24VDC (+10%/- 5%)
Supply Current	50mA, 150mA (3.6VA) on pressure excursions 180mA (4.3VA) on pressure excursions (FS model)
Digital Input Relay contact closure, transistor or TRIAC	9-24VAC/VDC signal trigger level, impedance 750 ohms nominal
Rates of Change:	45 seconds, 90 seconds, 1 minute, 2 minutes
Override Switch:	24VDC/VAC @ 1A maximum, N.O. in AUTO operation (Optional: N.O. in MAN operation)
Feedback Signal Range:	0-5VDC = Output Span
Air Supply Pressure	Maximum 28psig (193.06kPa), minimum 22psig (151.69kPa)
Output Pressure Range	0-10psig (0-69kPa), 0-15psig (0-103kPa) or 0-20psig (138 kPa)
Output Pressure Accuracy	2% full scale at room temperature (above 1 psig or 6.895kPa) 3% full scale across operating temperature range (above 1 psig)
Air Flow	Supply valves @ 20psig (138kPa) main/15psig (103kPa) out, 750scim. Branch Line requires 2 in or 33.78 cm (minimum). FS model requires a minimum of 25 feet of 1/4" O.D. poly branch tubing.
Operating Temp/RH	32 to 120° F (0 to 48.9° C) / 10 to 95% non condensing
Approval	RoHS

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