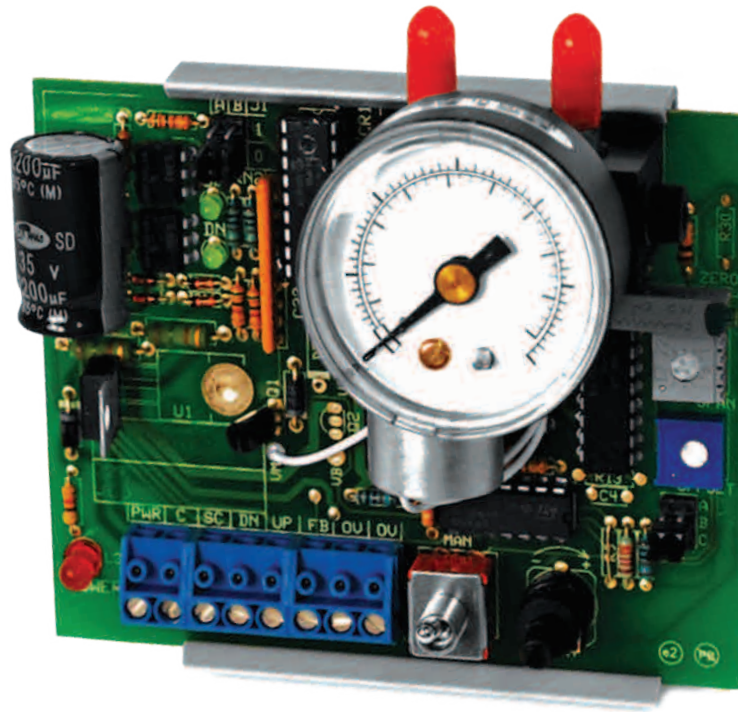




EFP

Input

Floating Point

Output

Pressure

Floating Point Input to Pneumatic Output

The EFP converts a floating point signal into a proportional pneumatic signal ranging from 0-20 psig. 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. 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 EFP, 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. 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 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.

The EFP is covered by ACI's Two (2) Year Limited Warranty. The warranty is located in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.



SPECIFICATIONS

Supply Voltage	24 VAC (+/-10%), 50 or 60Hz, 24 VDC (+10%/- 5%)
Supply Current	50 mA, 150 mA (3.6 VA) on pressure excursions 180 mA (4.3 VA) on pressure excursions (FS model)
Digital Input Relay Contact Closure, Transistor or TRIAC	9-24 VAC/VDC signal trigger level
Impedance	750Ω nominal
Rates of Change	Standard: 45 sec, 90 sec, 1 min, 2 min. Version 2: 30 sec, 3 min, 6 min, 8 min
Override Switch	24 VDC/VAC @ 1A maximum, N.O. in AUTO operation (Optional: N.O. in MAN operation)
Feedback Signal Range	0-5 VDC = Output Span
Air Supply Pressure	Maximum 28 psig (193.06 kPa), minimum 22 psig (151.69 kPa)
Output Pressure Range	0-10 psig (0-69 kPa), 0-15 psig (0-103 kPa) or 0-20 psig (138 kPa)
Output Pressure Accuracy	2% full scale at room temperature (above 1 psig or 6.895 kPa) 3% full scale across operating temperature range (above 1 psig)
Air Flow	Supply valves @ 20 psig (138 kPa) main/15 psig (103 kPa) out, 750 scim. Branch Line requires 2 in ³ or 33.78 cm ³ (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)/5 to 95% non condensing
Product Dimensions	(L) 4.00" (W) 3.35" (H) 1.87"

ORDERING

Please select a Timing Range (A). Choose an Optional Accessory (1) if desired.

A Valve Configuration

- ☐ ---- (1 Valve: 0.007" Constant Bleed Orifice) (41 scim)
☐ **2** (Maintains Branch Pressure) (750 scim Exhaust)
☐ **2FS** (2 valve: Exhausts on Power Failure) (750 scim Exhaust)

B Version

- ☐ ---- (Standard)
☒ **Version 2**

C Gauge

- ☐ ---- (None)
☐ **G** (Gauge) (0-30 psi) (206.85 kPa)

1 Optional Accessories

- ☐ ---- (None)
☐ **DRC** (Din Rail Mounting)

BUILD PART NUMBER

After completing (A), (B) & (C) from the above table, fill in the Part Number Table below. (1) is an Optional Accessory. The "Sensor Series" is a factory default. An example part number is offered.

EFP

SENSOR SERIES	A	B	C
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EXAMPLE: EFP - 2 - Version 2 - G

1

EXAMPLE: DRC

