

R-317

## Air Flow Controller

### Description

The R-317 Air Flow Controller is a proportional, direct acting, low volume output signal instrument. The R-317 measures the differential between two static pressures and produces an output signal which is proportional to the differential of the static pressures.

Refer to *R-317 Air Flow Controller Product Bulletin (LIT-7171245)* for important product information.

### Features

- mounts inside or outside of the mixing unit
- factory calibrated for vertical mounting
- can be rotated to any of four positions for convenience in piping
- features an integral mounting bracket and includes a mounting strap and bracket for mounting to ductwork

### Applications

- proportional control of the volume discharge in high velocity mixing units
- control of duct pressures or air flow (as a static pressure limit)
- works with all makes and types of mixing units in which the volume can be controlled by measuring a pressure differential (as indicated in the selection chart)

### Repair Information

If the R-317 Air Flow Controller fails to operate within its specifications, replace the unit. For a replacement air flow controller, contact the nearest Johnson Controls® representative.



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### Selection Charts

#### R-317 Air Flow Controllers

Code Number	Differential Pressure Range in. WG (Pa)	Differential Factory Setting in. WG (Pa)	Sensitivity in. WG (Pa)
R-317-1	0.05 to 1 (12.5 to 249)	0.25 (62)	3 psi/0.01 (8.4 kPa/1)
R-317-6	0.3 to 6 (74.7 to 1494)	1.5 (374)	1 psi/0.01 (2.8 kPa/1)
R-317-7	0.6 to 12 (149.4 to 2988)	3 (747)	0.5 psi/0.01 (1.4 kPa/1)

#### Accessories for R-317

Code Number	Description
R-3710-3107	1/4 x 1/4 x 1/8 in. NPT Plastic Barbed Restrictor Tee (Order in multiples of ten): 0.007 in. Aqua
R-3710-3105	0.005 in. Red (For use on Conner Pneumavalves®)