



BAS Application Note 006

Use of a Johnson Controls DPT-2000-2 Pressure Transmitter to Measure Zone CFM

Note: BAS does not specifically endorse the use of this pressure sensor. This information is presented to help the Installer use a product that has performed well in BAS installations and is comparatively inexpensive. This sensor is manufactured by AutoTran and is also available as AutoTran part number 600D1.5"24D4-A.

The following value need to be configured for proper operation with this device; 1) VAV/VariZone ... dialog: BAS K = 857, 2) Zone / Actuators dialog: Offset = 51; and 3) Zone / Actuators dialog: CFM K = the engineered constant for the damper in use at that zone (see Application Note 007 for details).

Rev 1 RSC Only

This sensor is 0-1.5" wcd input with an output of 1-5 Vdc. An input resistor (14.7k ohm, 1%) is added to the output to drop the voltage at the RSC to a maximum of 3.8 Vdc. The maximum pressure resolution is 0.0074" wc.

Installation of this device requires the addition of a 1k ohm resistor on the power supply. This will lower V_{un} to below the maximum of 30 Vdc required by the sensor.

