

SPC

Gplus Pressure Controller



The PennBarry Gplus Pressure Controller is used to modulate a damper or variable frequency drive to maintain a constant static or differential pressure at a given setpoint.

APPLICATIONS

- Control bypass damper actuators, a VFD, or Vortex for VAV systems
- Laboratory pressurization control
- Stairwell pressurization control
- Energy saving

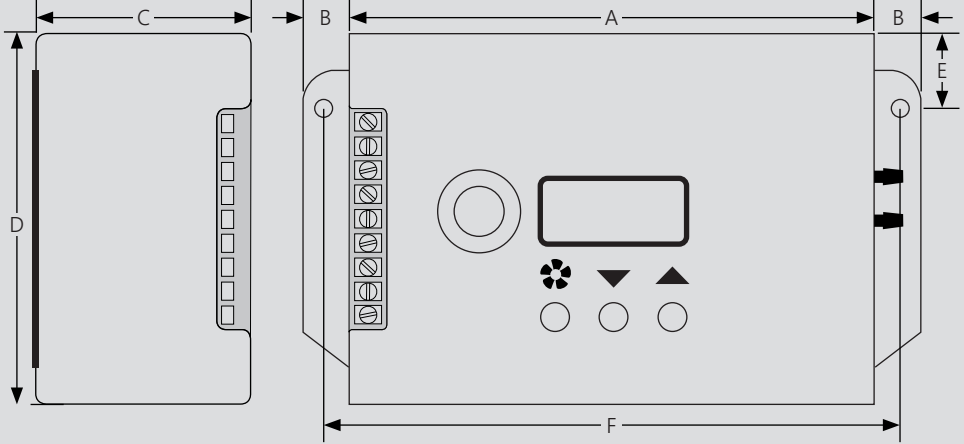
FEATURES

- LCD Display
- Simple installation and configuration
- Displays actual pressure reading
- Adjustable setpoint and dead band
- Adjustable response speed
- Selectable output signal
- Direct or reverse action outputs
- Fully calibrated
- Real-time pressure output for remote monitoring

MODEL #	Pressure Range	Setpoint Range	Deadband
16856318	0 - 0.1" wc (0-0.25 KPa)	0 - 0.099" wc (0-0.0247 KPa)	0 - 0.0121" wc (0.003 KPa)
16856319	0 - 1.0" wc (0-0.25 KPa)	0 - 0.99" wc (0-0.247 KPa)	0 - 0.121" wc (0.03 KPa)
16856320	0 - 2.0" wc (0-0.50 KPa)	0 - 1.99" wc (0-0.495 KPa)	0 - 0.243" wc (0.06 KPa)
16856321	0 - 5.0" wc (0-1.25 KPa)	0 - 4.99" wc (0-1.242 KPa)	0 - 0.613" wc (0.153 KPa)



TECHNICAL SPECIFICATIONS

SPECIFICATIONS	16856320 16856321
Power supply	24 Vac \pm 10%
Power consumption	3.6 VA
Electrical connection	18 AWG (8 mm ²) minimum on screw terminals
Input connection	1/8" (3.175 mm) barbed fitting
Output signals	Actual pressure output: 0.25 to 4 Vdc
	Direct/Reverse acting output: 0 to 10 Vdc, 2 to 10 Vdc, 0 to 20 mA or 4 to 20mA
Total error (not including long term stability)	Max. \pm 2.0% of full scale (from 10°C to 40°C [50°F to 104°F])
Burst pressure	1.5 PSI (10.3 KPa) either port
Response speed	Adjustable from 1 (100 mV/sec) to 25 (1.75 V/sec) (factory set: 2)
Contacts	Programmable ON & Off switching
Operating temperature	0°C to 40°C [32°F to 104°F] Compensated: 5°C to 55°C [41°F to 131°F]
Storage temperature	40°C to 80°C [40°F to 176°F]
Dimensions	 <p> A = 4.33" (110mm) B = 0.51" (13mm) C = 2.20" (56mm) D = 3.18" (81mm) E = 0.75" (19mm) F = 4.81" (122mm) </p>