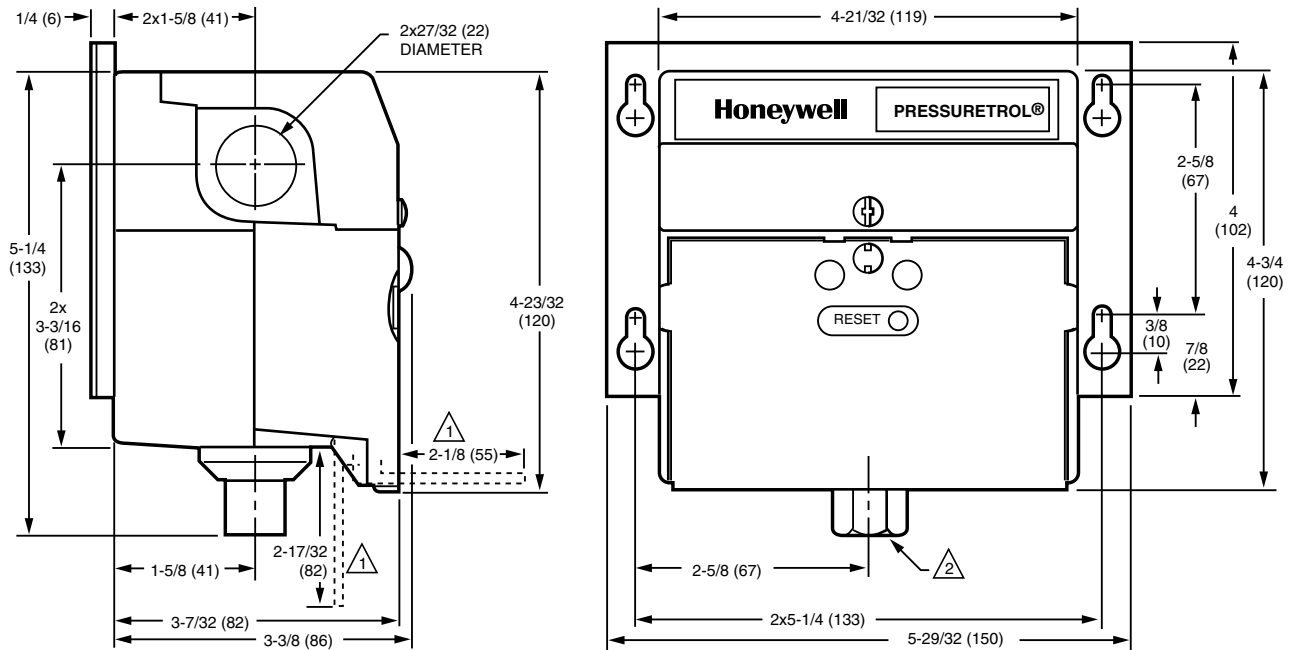# P7810 Pressure Control

Line voltage pressure controller that provides automatic operating control, automatic limit protection, manual reset limit protection, or modulating firing rate control for pressure systems up to 300 psi.
- May be used with steam, air, non-combustible gases or fluids that will not corrode the pressure sensing element.
- Models available in 15, 150, 300 psi maximum set points.
- LED indicators show limit function lockout.
- Reset function easily accessible under cover.
- Clear cover allows set point and differentials to be read (but not adjusted) without opening the cover.

Dimension Diagrams

△1 DIMENSIONS WITH DOOR IN OPEN POSITION. △2 PIPE THREAD IS 1/2 INCH NATIONAL PIPE THREAD. M11893

Dimensions, Approximate: 5 1/4 in. high, 4 21/32 in. wide, 3 3/8 in. deep (133 mm high, 119 mm wide, 86 mm deep)
Case Material: Plastic
Electrical Connections: Screw terminals
Frequency (Hz): 50/60 Hz
Humidity Ratings (% RH): 5 to 95% RH, non-condensing
Piping Connections, Main or High Pressure: 1/4 in. NPT internal thread
Temperature Ratings: -40 F to 185 F (-40 C to 85 C)
Approvals:
Canadian Standards Association: Certified: File No. LR95329-6

Factory Mutual: Approved: Report No. J.I.2D3A6AF
Underwriters Laboratories, Inc: Listed: File No. MP268, Guide No. MCCZ
Switch Contact Ratings:

120 Vac
9.8 AFL, 58.8 ALR, 10.0 A resistive

Accessories:
209731A Siphon Loop for P7810C, D
4074EWD P7810 Mounting Bracket and Mounting Screws (6)

Product Number	Modulating Output	Application	Operating Pressure Range (psi)	(kPa)	Pressure Differential (psi)	(kPa)	Maximum Sustained Operating Pressure (psi)	(kPa)	Switching Action
P7810A1004	—	On - Off Control	0 psi to 15 psi	0 kPa to 103 kPa	2 psi to 10 psi	14 kPa to 41 kPa	22.5 psi	155 kPa	Break on pressure rise
P7810A1012	—	On - Off Control	0 psi to 150 psi	0 kPa to 1034 kPa	5 psi to 20 psi	35 kPa to 135 kPa	22.5 psi	155 kPa	Break on pressure rise
P7810A1020	—	On - Off Control	0 psi to 300 psi	0 kPa to 2068 kPa	15 psi to 50 psi	103 kPa to 340 kPa	450 psi	3103 kPa	Break on pressure rise
P7810B1002	4 mA to 20 mA	On-off plus Modulate	0 psi to 15 psi	0 kPa to 103 kPa	2 psi to 10 psi	14 kPa to 69 kPa	22.5 psi	155 kPa	Break on pressure rise