

Pressure and Limit Controllers

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L404F Pressuretrol® Controllers



Application: Provide control of steam, air, non-combustible gases or non-corrosive fluids

Differential Type: Subtractive

Mounting: 1/4 inch-18 NPT internal thread connection on diaphragm assembly, 1/4 -19 BSPT internal thread on models with BSPT ground screw; or surface mount through back of case

Switch Operation: Auto recycle

Sensor Element: Stainless steel diaphragm standard; Brass Bellows on models with 20 to 300 psi

Operating Temperature Range: -35°F to +150°F (-37°C to +66°C)

Electrical Connections: Screw terminals

Provide operating control with automatic limit protection for pressure systems up to 300 psi (2068 kPa).

- Use with steam, air, noncombustible gases, or fluids non-corrosive to pressure sensing element.
- Models have snap-acting switching to open or close a circuit on pressure rise.
- Have adjustable differentials.
- Adjustments are made by screws on top of case.
- Mount using 1/4 inch -18 NPT internal pipe threads or surface mount through base of case.
- Ground screw terminal.

Contact Ratings: 120 Vac Switch Contact – 8.0 AFL, 48.0 ALR, 10.0 A resistive; 240 Vac Switch Contact – 5.1 AFL, 30.6 ALR, 5.0 A resistive

Pipe Connection - Main or High Pressure: 1/4 inch-18 NPT internal thread standard; 1/4 -19 BSPT internal thread on models with BSPT ground screw

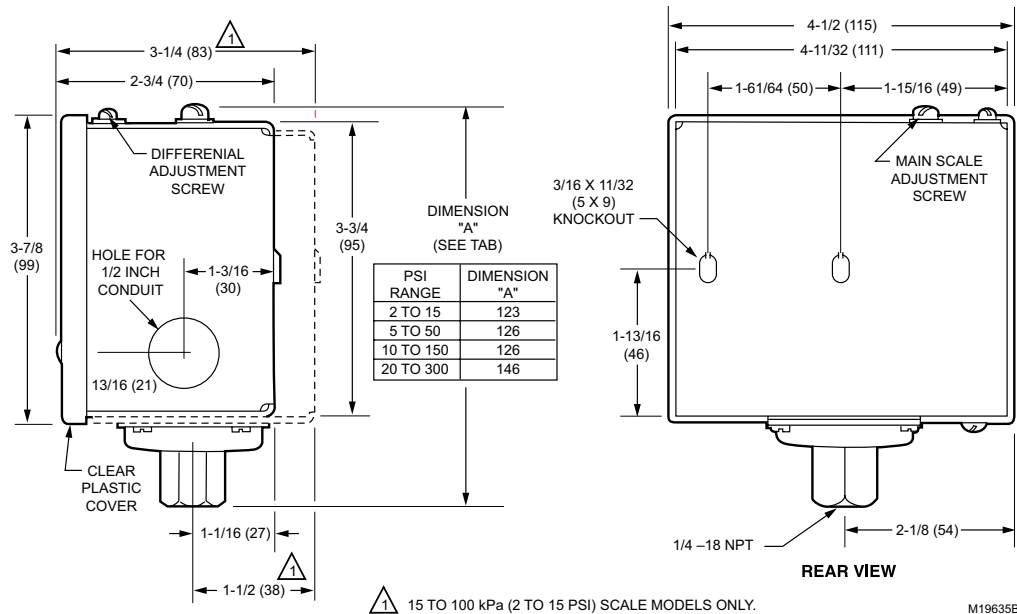
Approvals, Underwriters Laboratories Inc.: Listed: File No. MP466, Guide No. MBPR

Approvals, CSA: Certified: File No. LR1620, Guide No. 400-E-O; or Certified: File No. LR95329 for Miss-wiring Compliant models

Approvals, Swiss RE: Acceptable

Material Number	Operating Range (psi)	Operating Range (kPa)	Maximum Sustained Pressure (psi)	Maximum Sustained Pressure (kPa)	Differential Pressure Range (psi)	Differential Pressure Range (kPa)	Switching Action	Includes	Comments
L404F1060/U	2 to 15 psi	14 to 103 kPa	25 psi	172 kPa	2 to 6 psi	14 to 41 kPa	SPDT snap action, make R-W, break R-B on pressure rise		
L404F1078/U	5 to 50 psi	35 to 345 kPa	85 psi	586 kPa	6 to 14 psi	41 to 97 kPa	SPDT snap action, make R-W, break R-B on pressure rise		
L404F1094/U	20 to 300 psi	138 to 2068 kPa	350 psi	2413 kPa	20 to 50 psi	138 to 345 kPa	SPDT snap action, make R-W, break R-B on pressure rise		
L404F1102/U	10 to 150 psi	69 to 1034 kPa	225 psi	1151 kPa	10 to 22 psi	60 to 152 kPa	SPDT snap action, make R-W, break R-B on pressure rise		
L404F1219/U	2 to 15 psi	14 to 103 kPa	25 psi	172 kPa	2 to 6 psi	14 to 41 kPa	SPDT snap action, make R-W, break R-B on pressure rise	BSPT ground screw and European Enclosure	
L404F1227/U	10 to 150 psi	69 to 1034 kPa	225 psi	1151 kPa	10 to 22 psi	60 to 152 kPa	SPDT snap action, make R-W, break R-B on pressure rise	BSPT ground screw and European Enclosure	
L404F1235/U	20 to 300 psi	138 to 2068 kPa	350 psi	2413 kPa	20 to 50 psi	138 to 345 kPa	SPDT snap action, make R-W, break R-B on pressure rise	BSPT ground screw and European Enclosure	
L404F1243/U	5 to 50 psi	35 to 345 kPa	85 psi	586 kPa	6 to 14 psi	41 to 97 kPa	SPDT snap action, make R-W, break R-B on pressure rise	BSPT ground screw and European Enclosure	
L404F1367/U	1 to 8 psi	7 to 55 kPa	25 psi	172 kPa	0.75 to 2 psi	5 to 14 kPa	Snap switch breaks R-B (closes R-W) on pressure rise. Make-on devices omit terminal B.		Range Stop installed at 8 PSI
L404F1375/U	5 to 50 psi	35 to 350 kPa	85 psi	586 kPa	6 to 14 psi	40 to 100 kPa	Snap switch makes R-W on pressure rise	Miss-wiring Compliant (less B terminal)	
L404F1383/U	10 to 150 psi	70 to 1035 kPa	225 psi	1151 kPa	10 to 22 psi	70 to 150 kPa	Snap switch makes R-W on pressure rise	Miss-wiring Compliant (less B terminal)	
L404F1391/U	20 to 300 psi	140 to 2070 kPa	350 psi	2413 kPa	20 to 50 psi	140 to 345 kPa	Snap switch makes R-W on pressure rise	Miss-wiring Compliant (less B terminal)	
L404F1409/U	2 to 15 psi	14 to 103 kPa	25 psi	172 kPa	2 to 6 psi	15 to 40 kPa	Snap switch makes R-W on pressure rise	Miss-wiring Compliant (less B terminal)	

Dimensions in inches (millimeters)



M19635B