

L404F,T,V PressureTrol® Controllers

PRODUCT DATA



FEATURES

- Models available in a series of control ranges, and pressure scales in kPa and psi.
- All models automatically reset and have an adjustable differential.
- Models have snap switch to open or close a circuit on a pressure rise.
- Case has a clear plastic cover so setpoints can be observed.
- 1/4 inch—18 NPT connection for pipe on diaphragm assembly.
- Ground screw terminal.

L404F:

- Controllers may be used with steam, air, or noncombustible gases, or fluids noncorrosive to the pressure sensing element.

L404T:

- High pressure limits, break a circuit on oil pressure rise above setpoint.

L404V:

- Low pressure limits, makes a circuit on oil pressure rise above setpoint.

APPLICATION

L404F PressureTrol® Controllers provide operating control with automatic limit protection for pressure systems of up to 2070 kPa, or 300 psi.

L404T,V PressureTrol® Controllers are for use on oil burner systems for pressures up to 1035 kPa or 150 psi.

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SPECIFICATIONS

Model:

L404F,T,V PressureTrol® Controllers. See Table 1.

Table 1. Models with kPa—psi and Other Pressure Scales.

Model Number	Operating Ranges		Subtractive Differential ^a		Maximum Diaphragm pressure	
	kPa	psi	kPa	psi	kPa	psi
L404F1060	15 to 100	2 to 15	15 to 40	2 to 6	170	25
L404F1078	35 to 350	5 to 50	40 to 100	6 to 14	590	85
L404F1094	140 to 2070	20 to 300	140 to 345	20 to 50	2410	350 ^b
L404F1102	70 to 1035	10 to 150	70 to 150	10 to 22	1550	225
L404F1219 ^c	15 to 100	2 to 15	15 to 40	2 to 6	170	25
L404F1243 ^c	35 to 350	5 to 50	40 to 100	6 to 14	590	85
L404F1227 ^c	70 to 1035	10 to 150	70 to 150	10 to 22	1550	225
L404F1235 ^c	140 to 2070	20 to 300	140 to 345	20 to 50	2410	350 ^b
L404F1300 ^c	415 to 1240	60 to 180	40 fixed	6.0 Fixed	1550	225
L404F1326	0 to 100	0 to 15	15 to 40	2 to 6	170	25
L404F1334	0 to 350	0 to 50	40 to 100	6 to 14	590	85
L404F1342	35 to 1000	5 to 145	70 to 150	10 to 22	1550	225
L404F1359	70 to 2000	10 to 290	140 to 345	20 to 50	2410	350 ^b
L404F1367	7 to 55	1 to 8	5 to 14	0.75 to 2	170	25
L404F1375 ^d	35 to 350	5 to 50	40 to 100	6 to 14	590	85
L404F1383 ^d	70 to 1035	10 to 150	70 to 150	10 to 22	1550	225
L404F1391 ^d	140 to 2070	20 to 300	140 to 345	20 to 50	2410	350 ^b
L404F1409 ^d	15 to 100	2 to 15	15 to 40	2 to 6	170	25
L404F1441	0.35 to 3.5 Kg/cm ²	5 to 50 psi	0.4 to 1.0 Kg/cm ²	6 to 14 psi	6 Kg/cm ²	85 psi
L404T1055	35 to 350	5 to 50	40 to 100	6 to 14	590	85
L404T1063	70 to 1035	10 to 150	70 to 150	10 to 22	1550	225
L404V1087 ^d	70 to 1035	10 to 150	70 to 150	10 to 22	1550	225
L404V1095 ^d	35 to 350	5 to 50	40 to 100	6 to 14	590	85

^a Nominal at midscale operating range.

^b Brass bellows instead of stainless steel diaphragm.

^c Models with 1/4-19 BSPT thread instead of 1/4-18 NPT thread.

^d Make-on-rise models with terminal B omitted for miswiring compliance.

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Automation and Control Products Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386

In Canada—Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Toronto, Ontario M1V 4Z9.

International Sales and Service Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A.

Table 2. Conversion Table.

Operating Range Conversions			Subtractive Differential Conversions		
kg/cm ²	kPa	psi	kg/cm ²	kPa	psi
0.1 to 1.05	15 to 100	2 to 15	0.15 to 0.4	15 to 40	2 to 6
0.4 to 3.5	35 to 350	5 to 50	0.4 to 1.0	40 to 100	6 to 14
0.7 to 10.0	70 to 1035	10 to 150	0.7 to 1.6	70 to 150	10 to 22
1.5 to 20.0	140 to 2070	20 to 300	1.5 to 3.5	150 to 300	20 to 50

Table 3. Switch Ratings (Amperes).

Switch State	120 Vac	240 Vac
Full Load	8.0	5.1
Locked Rotor	48.0	30.6

Pressure Sensing Element: Stainless steel diaphragm (140 to 2070 kPa models) has brass bellows.

Maximum Ambient Temperature: 66°C (150°F). Also, refer to note under Mounting.

Adjustment Means: Screws on top of control case. Scales are marked in psi or kPa.

Mounting Means: 1/4 inch-18 NPT connection on diaphragm assembly; or surface mounts using holes in back of case.

Dimensions: See Fig. 1.

Switching Action: Snap switch breaks R-B (closes R-W) on pressure rise. Make-on-rise devices omit terminal B.

Grounding Means: Ground screw terminal marked with a circled ground symbol.

Accessories:

- 50024585-001 Brass Steam Trap. (Please refer to the applicable Equipment/Application Standards for compliance.)
- 14026 Steel Steam Trap. (Please refer to the applicable Equipment/Application Standards for compliance.)
- 118023 Steel Steam Trap for BSPT Models.
- 33312B Knurled Knob—fits on top of adjusting screws.
- 4074BWJ Range Stop—range stop screw, Part No. 107194, and wrench, Part No. 23466, to limit setpoint range.

Approvals:

- Underwriters Laboratories Inc. Listed: file no. MP466, vol. 10, guide no. MBPR.
- Canadian Standard Association certified: file no. LR1620, guide no. 400E-0.

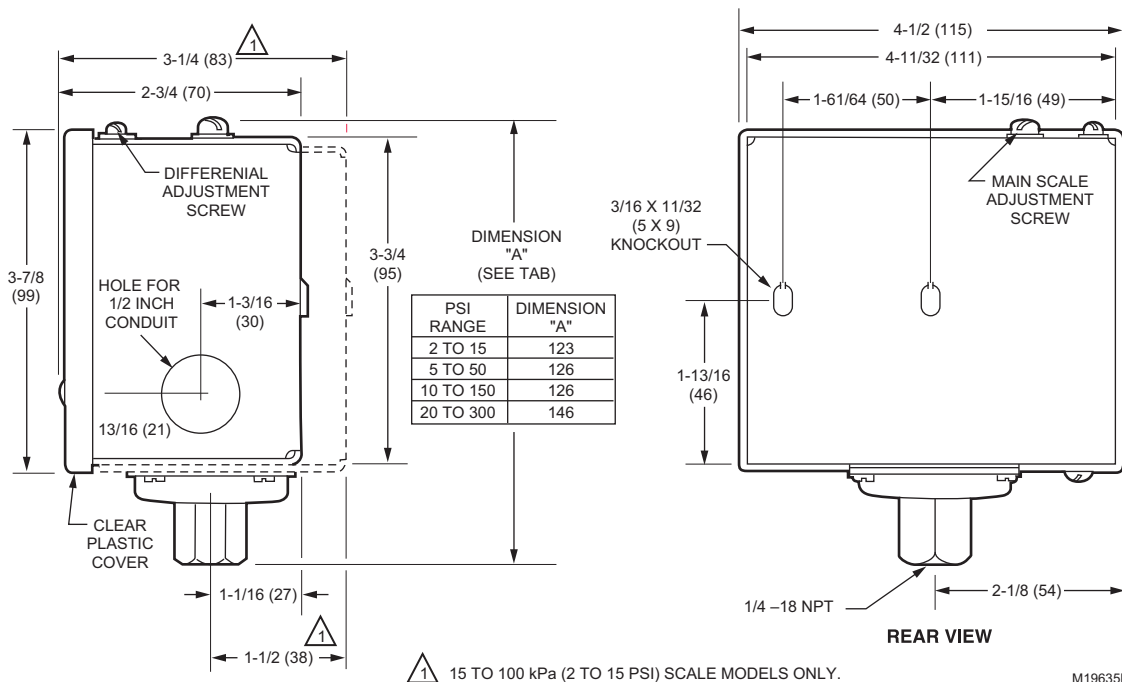


Fig. 1. L404F,T,V approximate dimensions in inches (millimeters in parentheses).