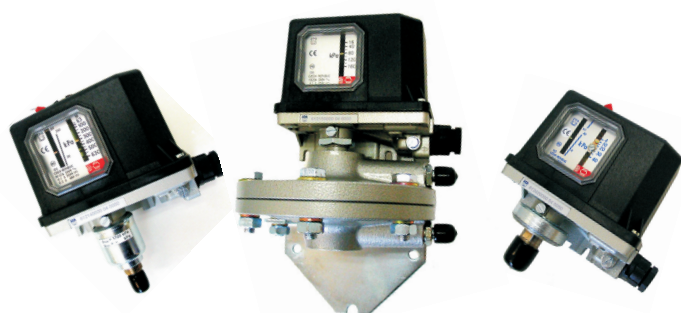


PRESSURE AND VACUUM GOVERNOR

bellows, membrane,
differential pressure



DESCRIPTION:

- case: plastic
- inspection hole: acrylate
- compact design
- connection: clamps on the switch or connector (except for Ex design and switch B)

APPLICATION:

- heating industry
- hydraulics
- air-conditioning
- power-engineering

TECHNICAL PARAMETERS:

- range: -80kPa-4MPa
in 11 ranges (type 61 214) 4 kPa-4MPa
in 4 ranges (type 61 218) 4 kPa-40kPa (61 242),
-0,3 kPa-10kPa in 8 ranges (type 61 219),
0 kPa-10kPa in 7 ranges (type 61 220),
4 kPa-160kPa in 2 ranges (type 61 215),
4 kPa-160kPa in 2 ranges (type 61 215)
- el. load: 250V/10A, cos 1 ,
250V/2A, cos f 0,6-0,3
= 250V/0,1A
= 48V/0,2A
- protection: IP 65
design: ATEX

SPECIFICATION:

Pressure and vacuum governors are designed for pressure regulation and signalization of gases and liquids of regulated medium temperatures maximum -40+120 °C.

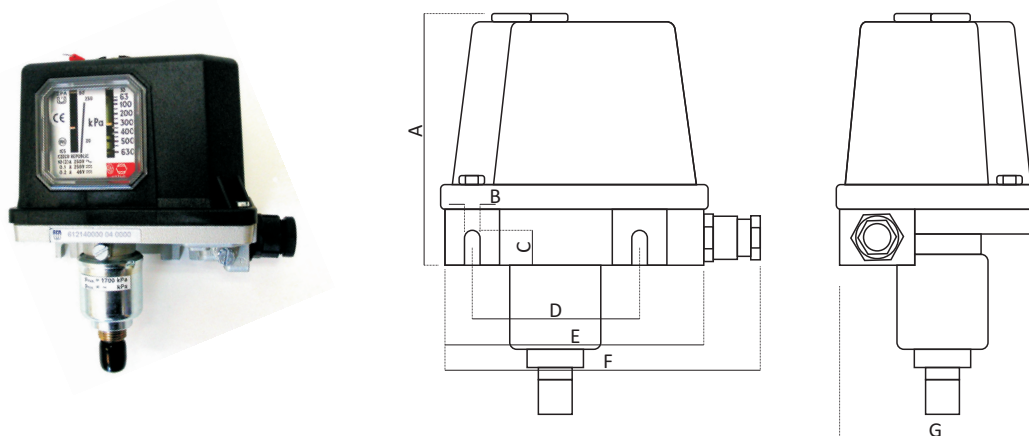
Governors are intended for use in demanding conditions, where higher IP protection and heavy-duty design is required.

Pressure and vacuum governors are supplied in high pressure design, bellows, with fixed preset values and for differential pressures. Maximum surrounding temperature -40 up to 60°C.

Order code				Range	Min. difference		Max. difference		Working pres. (Pmax/Pmin)	Control. pres.	Unit	L/D (mm)	Weight. (kg)
405 61214 xxxx		Microswitch			Microswitch		Microswitch						
Design		A	B		A	B	A	B					
T	61214	6011	6111	-80+250	15	30	100	350/N	800	kPa	169/34	0,5	
T	61214	6021	6121	4-63	2	4	25	190/0	400		187/63	0,8	
T	61214	6022	6122	10-100			40				167/43,5	0,6	
T	61214	6023	6123	16-160	3	6	63						
T	61214	6031	6131	25-250	10	20	100	460/N	660				
T	61214	6032	6132	40-400				1700/N	2500	MPa	169/34	0,6	
T	61214	6041	6141	63-630	20	40	250						
T	61214	6042	6142	0,1-1	0,03	0,06	0,4				1,7/N		2,5
T	61214	6043	6143	0,16-1,6	0,04								
T	61214	6051	6151	0,25-2,5	0,12	0,18	1	3,5/N	5		160/		
T	61214	6052	6152	0,4-4	0,2	0,3	1	5/N	5	OK24			

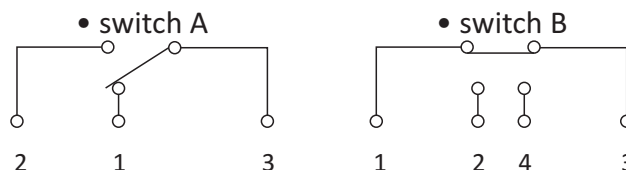
Connection screwing M12 or M20x1,5 can be ordered as an accessory. Surrounding temperature: -40 up to +60°C- T

- Type 61 214 - bellows pressure governor



Dimensions in mm						
A	B	C	D	E	F	G
116	5,2	7	75	124	150	74

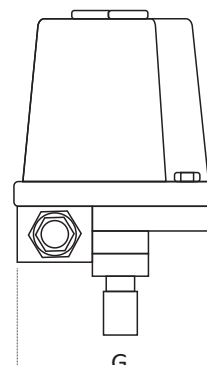
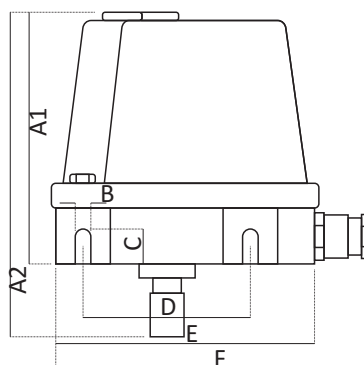
Contact wiring diagram



Order code 405 61218 xxxx		Microswitch A B		Range	Min. difference						Max. difference		Work. pr. (Pmax/ Pmin)	Control pressure	Unit	Weight (kg)
					Microswitch A			Microswitch B			Microswitch					
Design					a	b	c	a	b	c	A	B				
T	61218	601x	611x	4-160	3	6	9	10	15	20	40	100	2000-A/N 3200-B/N	3000-A 4800-B	kPa	0,65
T	61218	602x	612x	0,1-1	0,02	0,03	0,04	0,04	0,06	0,08	0,25	0,25	2/N	3	MPa	0,6
T	61218	603x	613x	0,25-2,5	0,08	0,12	0,15	0,16	0,24	0,3	0,63		4/N	6		
T	61218	604x	614x	0,4-4	0,15	0,2	0,25	0,3	0,4	0,5	1		6/N	9		

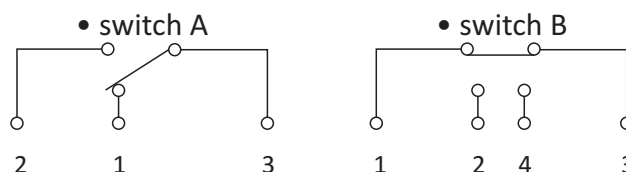
Regulated medium must not have an aggressive effect on parts of the governor, which it comes into contact with, must not contain impurities, which would enable its proper operation. Supplied with a stainless steel sensor (steel class 17) and a membrane made of fluorocarbon or ethylene-propylene rubber. Governors with ethylene-propylene membrane in the sensor are designed for hot water, coolants, brake fluids, etc. Medium temperature max. 120°C. Governors with fluorocarbon membrane in the sensor are designed for vapour, fuels, oils, some acids and alkalis. Medium temperature max. 200°C. Surrounding temperature: -10 +60°C.

- Type 61 218 - membrane governor - for high pressures



Diameters in mm							
A1	A2	B	C	D	E	F	G
116	149	5,2	7	75	124	150	74

Contact wiring diagram

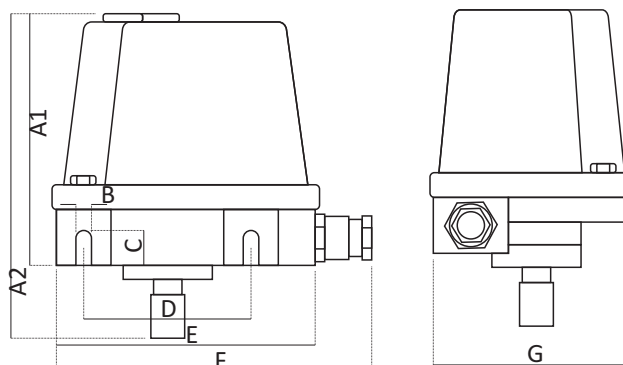


Order code		Microwitch B	Range	Min. difference			Max. difference	Working pres. (Pmax/Pmin)	Control pressure	Unit	Weight (kg)
405 61242 xxxx											
Design				a	b	c	B				
T	61242	6111	4-40	6	6	5	40	3200/-60	4800	kPa	0,6

Wells with M27x2 or G3/4 threads may be supplied in brass or stainless steel design, weldolets with threads M27x2 or G3/4 and wall rubber bushing.

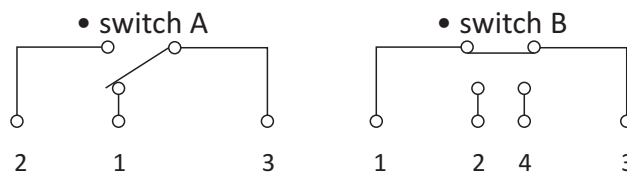
Tsurrounding temperature: -40 up to +60°C- T.

- Type 61 242 - membrane pressure governor - with adjustable value



Dimensions in mm							
A1	A2	B	C	D	E	F	G
116	149	5,2	7	75	124	150	74

Contact wiring diagram

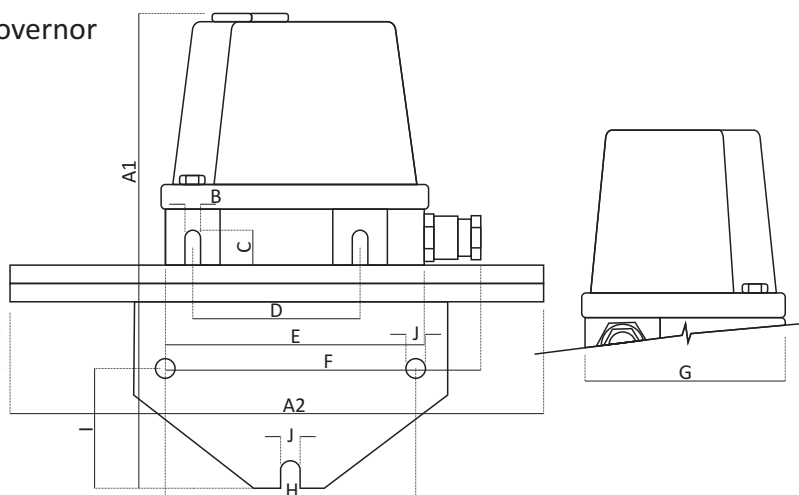


Order code				Range	Min. difference		Max. difference	Working pres. (Pmax/Pmin)	Control pressure	Unit	Weight (kg)
405 61219 xxxx					Microswitch						
Design		A	B		A	B	A, B				
T	61219	6011	6111	-0,3+0,3	0,08	0,15	0,4	10/-10	15	kPa	1,65
T	61219	6021	6121	0-0,4	0,1	0,2					
T	61219	6021	6121	0-0,4							
T	61219	6022	6122	0,1-1							
T	61219	6023	6123	0,16-1,6							
T	61219	6024	6124	0,25-2,5							
T	61219	6025	6125	0,4-4							
T	61219	6026	6126	0,63-6,3	0,16	0,3					
T	61219	6027	6127	1-10	0,2	0,4					

Used for accurate regulation and signalization of low-pressured non-aggressive gases and liquids, including heating fuels and combustion products of temperatures max. 90°C and nominal pressure 10kPa. Connection bolt M12x1,5 may be ordered as an accessory.

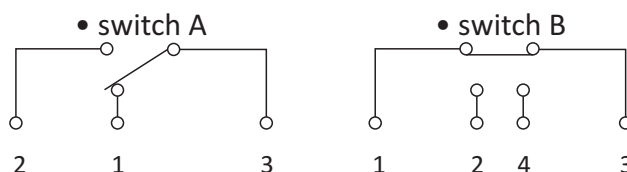
Surrounding temperature: -20 up to +60°C-T.

- Type 61 219 - membrane pressure governor



Dimensions in mm										
A1	A2	B	C	D	E	F	G	H	I	J
226	243	5,2	7	75	124	150	74	115	55	9

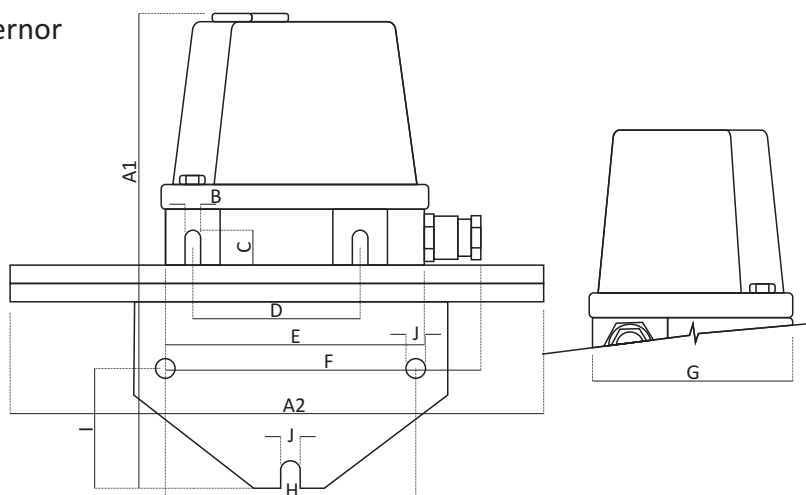
Contact wiring diagram



Order code				Range	Min. difference		Max. difference	Working pres. (Pmax/Pmin)	Control pressure	Unit	Weight (kg)				
405 61220 xxxx					Microswitch										
Design		A	B		A	B	A, B								
T	61220	6011	6111	0-0,4	0,08	0,15	0,4	10/-10	15	kPa	1,65				
T	61220	6012	6112	0,1-1	0,1	0,2									
T	61220	6013	6113	0,16-1,6											
T	61220	6014	6114	0,25-2,5			1								
T	61220	6015	6115	0,4-4	0,12	0,25	2,5								
T	61220	6016	6116	0,63-6,3	0,2	0,4									
T	61220	6017	6117	1-10	0,3	0,5									

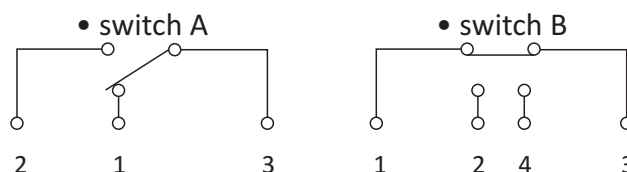
Mainly used for accurate regulation and signalization of two pressures difference of non-aggressive gases and liquids, including heating fuels and combustion products of temperatures up to max. 90 °C and nominal pressure 10 kPa. Connection bolt M12x1,5 may be ordered as an accessory . Surrounding temperature: -10 up to +60°C.

- Type 61 220 - pressure difference governor



Dimensions in mm										
A1	A2	B	C	D	E	F	G	H	I	J
226	243	5,2	7	75	124	150	74	115	55	9

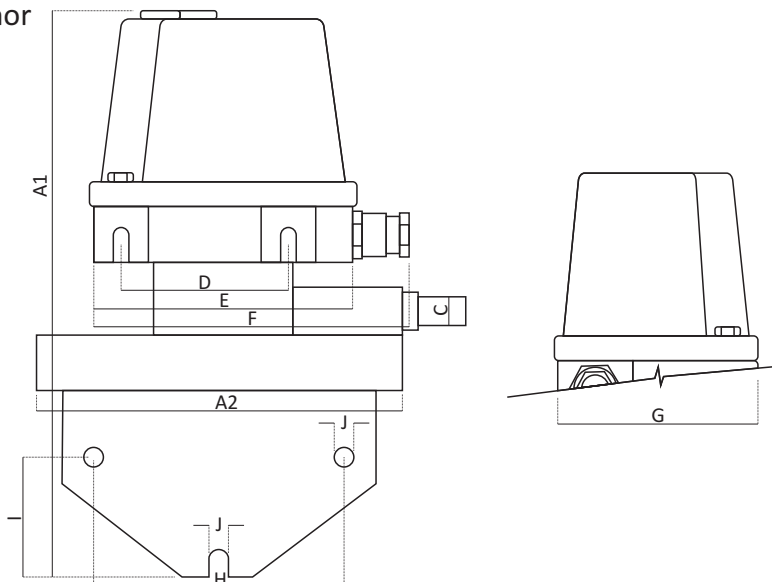
Contact wiring diagram



Order code		Microswitch		Range	Difference		Working pres. (Pmax/Pmin)	Control pressure	Unit	Weight (kg)	
405 61215 xxxx					Microswitch						
Design		A	B		A	B					
T	61215	6011	6111	4-63	do 5	do 10	2000	3000	kPa	1,65	
T	61215	6013	6113	16-160	do 15	do 30					

Mainly used for accurate regulation and signalization of two pressures difference of non-aggressive gases and liquids, including heating fuels and combustion products of temperatures up to max. 90 °C and nominal pressure 2,5 MPa. Connection bolt M12x1,5 may be ordered as an accessory . Surrounding temperature: -10 up to +60°C.

- Type 61 215 - pressure difference governor



Dimensions in mm										
A1	A2	B	C	D	E	F	G	H	I	J
260	168	116	M12x1,5	75	124	183	74	115	55	9

Contact wiring diagram

