



In Proud Partnership with Huba Control
PAQUIN
SENSORS

For technical support, sales, & distribution within the USA & Canada www.paquin.com | (800) 831-8217 | paquinsensors@paquin.com

www.paquin.com | (000) 051-0217 | paquinsensors

Relative and differential pressure switch Type 604

The type 604 pressure switch is used as a Δp flow switch in ventilation ducts for the control of filters and fans, and in primary and secondary control systems for the control of air dampers. The 604 pressure monitoring switches are also ideally suited to protect heating coils from overheating and for monitoring industrial air cooling circuits.



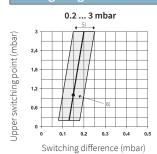
Pressure range

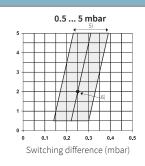
0.2 ... 3 - 50 mbar

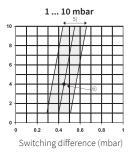
- + Easy to install
- + Combi-bracket for vertical or horizontal installation
- + User friendly snap cover
- + Case geometry allows easy cable lead-in
- + Cable strain relief integrated in PG11
- + High adjustment accuracy through individual laser etched scale
- + Long-term stability of switching points through trapezoidal bead diaphragm
- + Multi-layer gold plated contact

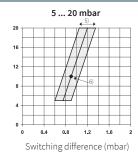
Pressure range Relative and differential			0.2 3 – 50 mbar	
leiative and differential			0.2 3 – 50 mbar	
perating conditions				
Medium			Air and neutral gases	
		Medium / ambient	-30 +85 °C	
[emperature		Storage	-40 +85 °C	
		-30 +75 °C	75 mbar	
Tolerable overload on one side		-30 +85 °C	50 mbar	
		30 103 C	30 111541	
Materials in contact with the medium				
Sensor			Silicon LSR 1)	
Case			PC 10% GF	
Cover			PC	
Electrical overview				GAR applications 2)
		5A	at 250 VAC	1.0 A at 250 VAC
		Resistive load 4 A	at 30 VDC	0.2 A at 30 VAC
Switching load 3)		- 0.8 Δ	at 250 VAC	
		Inductive 4) 0.7 A	at 30 VDC	
Contact system		0.174	Changeover switch	
Service life		mechanical	> 10 ⁶ switching cycle	<u> </u>
errice inc		mediameat	10 Switching Cycle.	~
Protection standard				
Without cover			IP 00	
Vith cover			IP 54 / IP 65	
vien cover			11 31/11 03	
Repeatability				
repeatability	0.2 3 mbar		± 0.025 mbar	
	0.5 5 mbar		± 0.05 mbar	
	1 10 mbar		± 0.05 mbar	
Setting range	5 20 mbar	between	± 0.05 mbar	
	10 50 mbar		± 0.15 mbar	
	10 30 111001		± 0.13 mbai	
Electrical connection				
Screw terminals				
			6.3 mm	
AMP connectors			4.8 mm	
Pressure connections				
Pipe			Ø 6.2 mm	
nside thread			G 1/8	
nstallation arrangement				
Recommendation (Factory set)	Vertical, pressure connections facing downwar	ds		
	Horizontal, cover facing downwards - Switchin	g points approx. 11 Pa lower than on sca	e	
	Horizontal, cover facing upwards - Switching p	oints approx. 11 Pa higher than on scale		
「ests / Admissions				
JL			MFHX2/8 or XAAK2/8	
OVGW			acc. to DIN EN 1854	
ow voltage directive			2014/35/EU	
Gas appliance regulation			2016/426/EU	
			, ,	
Veight				
Without bracket			~ 93 g	
With combi-bracket type C			~ 143 g	
			6	
Packaging (Please state on order)				
Single packaging in cardboard				
Multiple packaging in cardboard			20 / 30 / 40 / 50 / 60 /	100 / 320 pcs
			20/30/10/30/00/	100 / 020 pcs

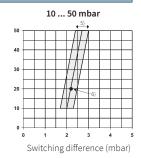
Setting ranges











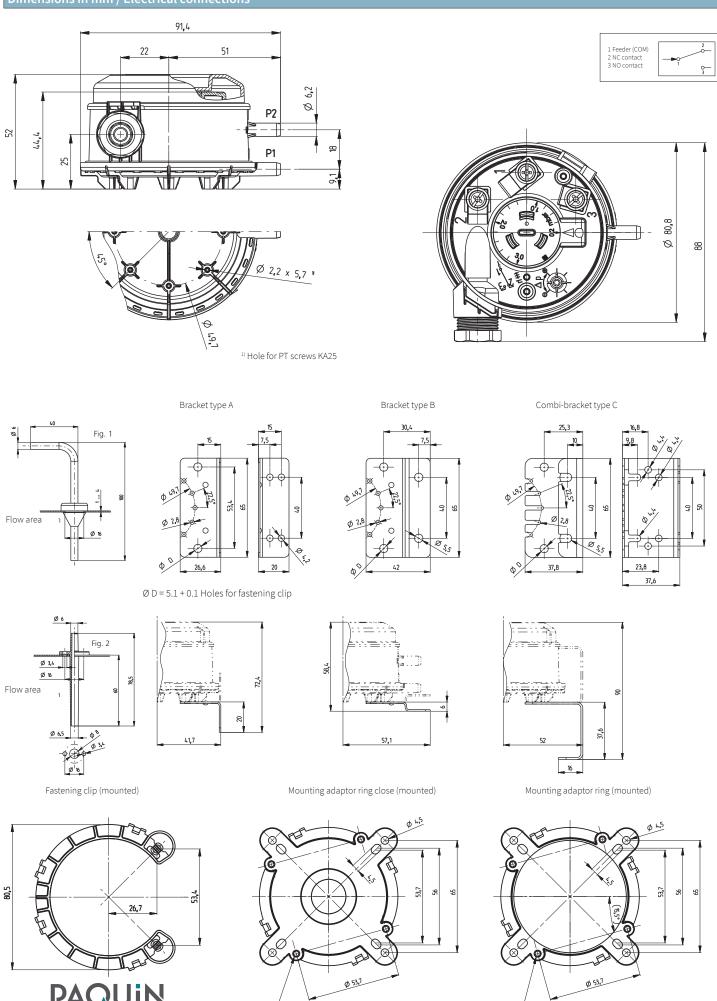
³⁾ Multi-layer contact (suitable for DDC) ⁶⁾ Factory-setting

Compact A/C set (standard)	Setting range (mbar)	Connection set	Order number
Consisting of switch with hose connection Ø 6.2 mm, scale in mbar, screw terminals,	0.2 3 mbar	Fig. 1 (Metal)	604.9000001
multi-layer contact up to 5 A (suitable for DDC), combi-bracket type C and hose	0.5 5 mbar	Fig. 1 (Metal)	604.9100001
connection set, single packaging.	1 10 mbar	Fig. 1 (Metal)	604.9200001
	0.2 3 mbar	Fig. 2 (Plastic)	604.9000002
	0.5 5 mbar	Fig. 2 (Plastic)	604.9100002
	1 10 mbar	Fig. 2 (Plastic)	604.9200002
	10 50 mbar	Fig. 2 (Plastic)	604.9500002

						1	2	3	4	5	6	7	8
Order code selection	on table				604.	Χ	X	Х	Х	X	Х	Х	Χ
/ersion	Standard version					9							
version	UL version					S							
	0.2 3 mbar	20 300 Pa	0.08 1.2 inH ₂ O	0.08 1.2 inWC			0						
	0.5 5 mbar	50 500 Pa	0.2 2 inH₂O	0.2 2 inWC			1						
Setting range	1 10 mbar	100 1000 Pa	0.4 4 inH₂O	0.4 4 inWC			2						
	5 20 mbar	500 2000 Pa	2 8 inH₂O	2 8 inWC			4						
	10 50 mbar	1000 5000 Pa	4 20 inH₂O	4 20 inWC			5						
	Scale in mbar							0					
	Scale in Pa							1					
	Scale in inH₂O							2					
C (- 1)	Scale in inWC							6					
Scale 1)	Without Scale	(rating plate in mbar)						3					
	Without Scale	(rating plate in Pa)						4					
	Without Scale	(rating plate in inH₂O)						5					
	Without Scale	(rating plate in inWC)						7					
	Pipe Ø 6.2 mm	without pressure tip ori	fice						0				
	Pipe Ø 6.2 mm	with pressure tip orifice	on P2						1				
Pressure connections	Inside thread G 1/8	without pressure tip ori	fice						2				
	Inside thread G 1/8	with pressure tip orifice	on P2						3				
	Screw terminals	'								0			
Electronical connection								1					
	AMP connector 4.8 mm									2			
	With cover	combi bracket type C	IP 54								0		
	With cover	bracket type A	IP 54								1		
	With cover	bracket type B	IP 54								2		
	With cover	without bracket	IP 54								3		
	Without cover	combi bracket type C									5		
	Without cover	bracket type A									6		
Cover / Bracket	Without cover	bracket type B									7		
	Without cover	without bracket									8		
	With cover	combi bracket type C	IP 65								A		
	With cover	bracket type A	IP 65								В		
	With cover	bracket type B	IP 65								С		
	With cover	without bracket	IP 65								D		
	Without											0	
Connection kit	With connection set (meta	al), 90° angled	incl. tube 2 m long (F	ig. 1)								1	_
	With connection set (plast		incl. tube 2 m long (F									2	
		points (please specify on order		-0/									W
Switching points	One factory set switching		(please specify on or	der)									R
(optional)	One factory set switching point low		(please specify on or										U
		P	(picade apeciny on on	/					_				

Accessories (supplied loose)		Order number
Connection kit for vent duct (metal), 90° angled	including tube 2 m long (Fig. 1)	104312
Connection kit for vent duct (plastic), straight	including tube 2 m long (Fig. 2)	100064
Bracket type A		100295
Bracket type B		100098
Combi-bracket type C		100106
Attachment ring		110005
Attachment ring close		110006
Special screws for fastening bracket to switch	(2 screws per switch required)	102976
Enterior III forte LARGO elle terresite	for wall thickness 0.8 1.1 mm	100294
Fastening clip for bracket A, B, C or direct mounting	for wall thickness 1.8 2.1 mm	100293
Calibration certificate (at factory set switching points)		104551

Dimensions in mm / Electrical connections



 $4 \times \text{hole PT} - \text{screw d}_1 = 3.0 \text{ mm}$

www.paquin.com | (800) 831-8217 | paquinsensors@paquin.com

4 x hole PT - screw $d_1 = 3.0 \text{ mm}$