

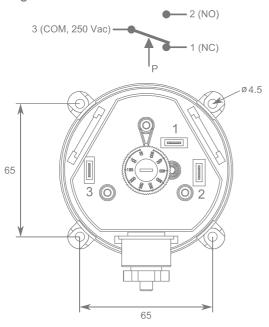
DIFFERENTIAL PRESSURE SWITCH PEK

PEK switches are designed for monitoring over and under pressures and pressure differences in systems that handle air and other non-flammable gases. Typical applications are monitoring of fans and filters in ventilation systems.

Switching point is set during commissioning.

It is recommended to install the switch in vertical position and process connections downwards. For example, the switching pressure is 20 Pa bigger if the switch is installed horizontally with cover upwards.

Wiring





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	Ranges		Switching range	Hysteresis					
	PEK	300	20300 Pa	10 Pa					
	PEK		30400 Pa	15 Pa					
	PEK	500	50500 Pa	20 Pa					
	PEK	1000	2001000 Pa	100 Pa					
	PEK	2500	5002500 Pa	150 Pa					
	PEK	5000	10005000 Pa	250 Pa					
	Output relay		250 Vac, 1,5 A res.						
			250 Vac, 0,4 A ind.						
	Number of switching operations		> 10 ⁶						
	Accuracy		±15 % from the set value						
Maximum allowed overpressure Process connections Cable gland Ambient temperature		10 kPa							
		2 x Ø 6 mm plastic pipe M16 -20+85 °C							
						Housing		IP54	
						Dimensions (w x h	x d)	85 x 102 x 58 mm	
Number of switching operations Accuracy Maximum allowed overpressure Process connections Cable gland Ambient temperature		250 Vac, 0,4 A ind. > 10^6 ±15 % from the set value 10 kPa 2 x Ø 6 mm plastic pipe M16 -20+85 °C IP54							

Ordering guide:

Model	Product number	Description
PEK 300	1240310	differential pressure switch, range 20300 Pa
PEK 400	1240320	differential pressure switch, range 30400 Pa
PEK 500	1240330	differential pressure switch, range 50500 Pa
PEK 1000	1240340	differential pressure switch, range 2001000 Pa
PEK 2500	1240350	differential pressure switch, range 5002500 Pa
PEK 5000	1240360	differential pressure switch, range 10005000 Pa
PEK-AS	1240300	accessory kit for PEK and CPS differential pressure switches

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-6: 3 (Emission) and EN61000-2001-2: 2001 (Immunity).