

**Description**

QAD series air pressure controls is used to sense tiny pressure change and widely used to control the flow of aerator, to monitor fan and air conditioner. It is also suitable for over heating protection and frost protection in industrial cooling system. Due to its outstanding design, the setpoint can be adjusted visually.

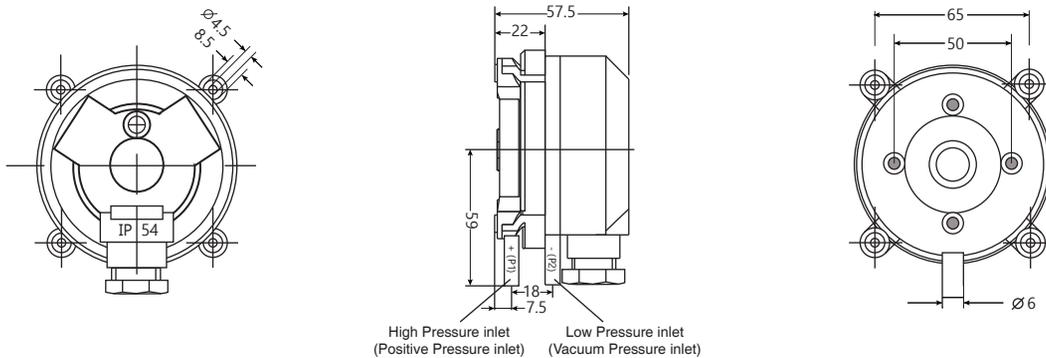


ISO9001

**Technical Specifications**

<b>Series No.</b>	QAD
<b>Media</b>	Air, non-combustible and non-aggressive gasses
<b>Max Operating Pressure</b>	10 kPa
<b>Mounting Position</b>	Diaphragm in any vertical plane
<b>Degree of protection</b>	IP54 (with cover)
<b>Operating Temperature</b>	-40° C to 85° C
<b>Contact Arrangement</b>	SPDT
<b>Electrical Rating</b>	Resistance: Initial: < 50 milliohms; Current: 1.5A resistive(0.4A inductive) @ 250V
<b>Electric Connection</b>	6.3 x 0.8 blade 46244 or screw terminals
<b>Material</b>	Housing: ABS Duct connectors: ABS Membrane: Silicone Cable sleeve: PVC
<b>Weight</b>	0.15kg(0.35kg with flexible pipe)
<b>Connection</b>	6.0mm Dia. for tube connection
<b>Approval</b>	UL, CE, RoHS

**Dimensions(mm)**



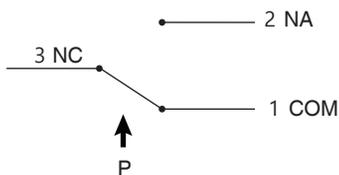
**Installation Connections**

QAD series air pressure controls is factory-calibrated for vertical position. If installed horizontally, this will affect the switching point as following:

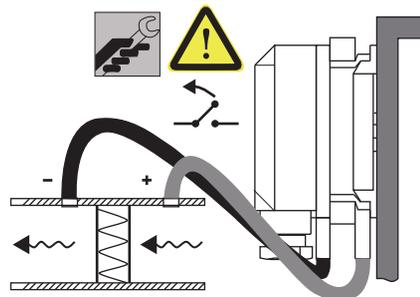
- with cover facing upwards, switching point is 15 Pa higher than scale;
- with cover facing downwards, switching point is 15 Pa lower than scale.

△ Note: Do not install upside down with trip pressures of less than 50 pa !

**Electric Wiring**



When differential pressure increases:  
1-3 opened  
1-2 closed



**Product Range**

Model	Pressure Range	Differential	Tolerance
QAD-1	20~200Pa	10Pa	±15%
QAD-2	30~300Pa	10Pa	±15%
QAD-3	40~400Pa	20Pa	±15%
QAD-4	50~500Pa	20Pa	±15%
QAD-5	200~1000Pa	100Pa	±15%
QAD-6	500~2500Pa	150Pa	±15%
QAD-7	1000~5000Pa	250Pa	±15%

• The performances stated in this sheet can be modified without any prior notice due to design improvements