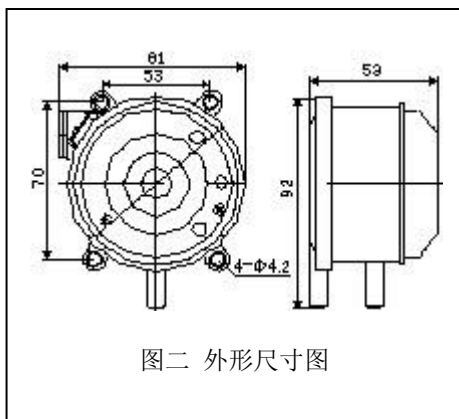


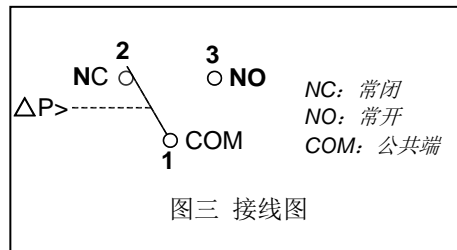
TP33C 压差开关使用说明



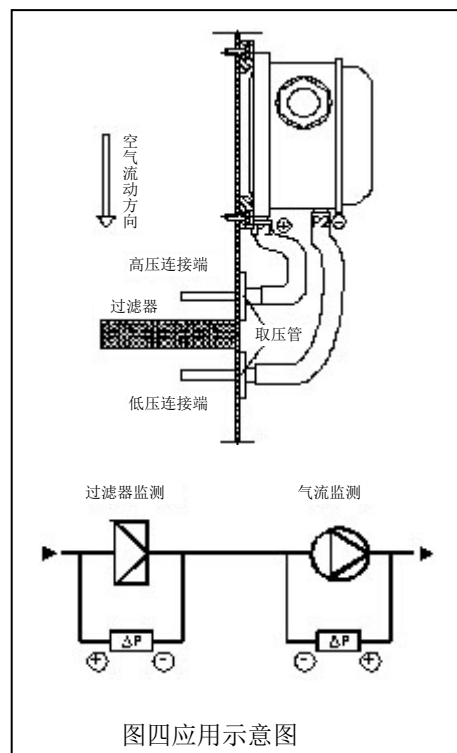
图一



图二 外形尺寸图



图三 接线图



图四应用示意图

应用:

TP33C 系列压差开关可用于感知管道中非腐蚀性气体的压力差、真空、过压和气流差等参数。

常规应用包括:

- *监测过滤网阻塞报警装置
- *风机运行状态监测
- *通风管道中气体监测
- *控制可变气体容积系统中最大气流
- *燃烧炉中气体控制

技术参数:

测量范围:

TP33C-20: 20Pa~200Pa;

TP33C-30: 30Pa~300Pa;

TP33C-50: 50Pa~500Pa;

TP33C-100: 100Pa~1000Pa;

最大媒介压力: 5000Pa

工作温度: -15℃~+60℃(过压 1000Pa)

防护等级: IP54

输出触点容量: 1.5A (0.5A) 250AC.

重量: 100g

外形尺寸: φ 81×53mm

安装:

位置: 最好在垂直板上用横隔装配。只要保证装配面震动最小或没有震动, 开关可以直接固定在管道、加热器或面板上。媒介温度在-15/+60 范围内。TP33C 的生产校准是在室温下, 最好也安装在接近室温环境下。湿度较高的系统中可能发生水汽凝结现象, 应注意软管连接管口向下。

压力连接及接线: 压力连接位置标 P1⊕ (高压) 及 P2⊖ (低压或静压) 不可接错。请参阅控制装置侧面图示。

装配说明:

拧松盖板螺丝移去上盖后可进行压差值的设定 (设定值对准箭头位置)。上盖装配时要注意先将卡头向里推一下再压下闭合。

注: 使用前应配打取压管的安装孔。

提供安装附件:

导压管 φ 6.2mm 1.8m

螺丝 4 个

取压管 2 个

注意:

*压差开关应垂直安装, 这样可以使其内部的气膜自重不影响产品精度。

*避免电击或损坏设备, 移去上盖时应确保电源开关处于关闭状态。

*使用前应完成电线连接并检查连接状态, 不正确的连接可能导致此设备的永久性损毁。

接线 (螺丝连接端子):

实际压差小于设定值, 触点 1-2 导通。

实际压差大于设定值, 触点 1-3 导通。

系统检测:

正确安装和调节后, 应至少运行一个完整的循环来检测系统。如果有异常现象, 应重新检测接线和各部件。

测试标准:

EN61058 DIN3398

修理和替换:

此装置不能修理。如有出现异常现象, 请与最近的供应商协商。当供应商来替换此装置时, 请提供产品型号 (位于控制装置的侧面)。

Instruction Sheet TP33C

READ THIS INSTRUCTION SHEET CARE-FULLY BEFORE INSTALLING .
KEEP THIS INSTRUCTION SHEET WITH THE CONTROL .

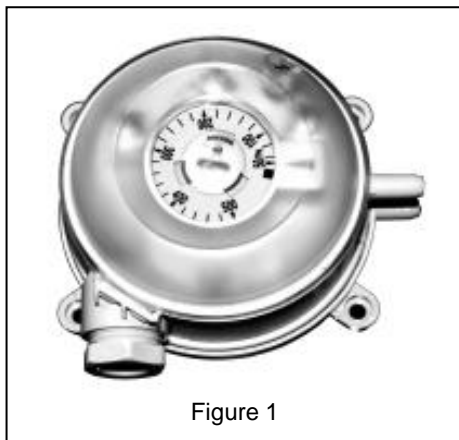


Figure 1

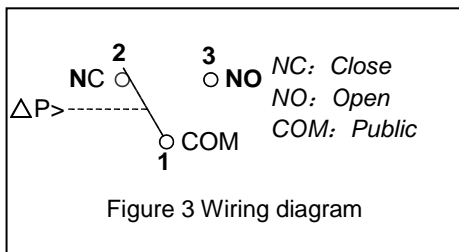


Figure 3 Wiring diagram

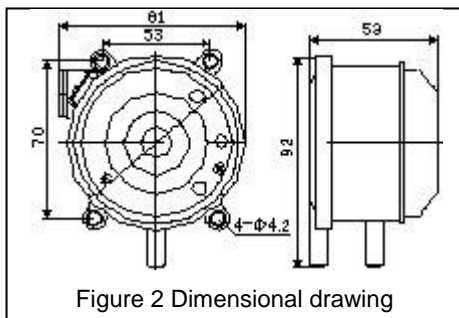


Figure 2 Dimensional drawing

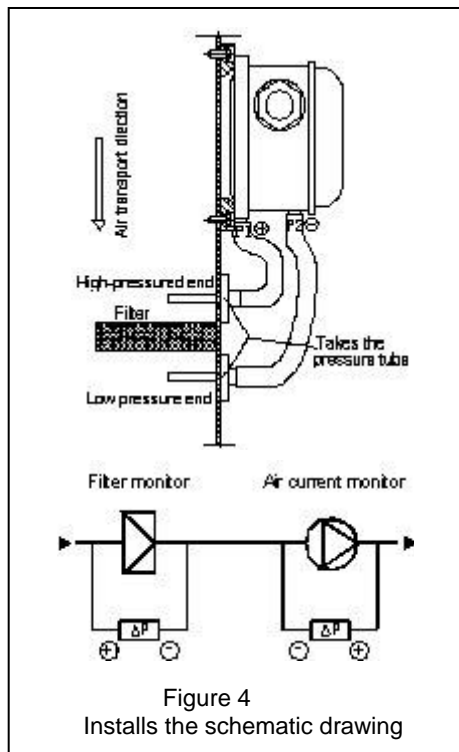


Figure 4
Installs the schematic drawing

Note:

The information provided in this instruction sheet should be sufficient for installation and adjustment of the TP33C .For additional information you could obtain the TP33C product data sheet .

Application:

Series of TP33C pressure switch can be used to sense (differential) pressure and flow of air in ducts and pipes .
Typical applications include:
-Filter obstructive alarm .
-Fan monitor
-Air proving in ventilation ducts .
-Maximum air flow controller for variable air volume systems .
-Burner air control

Note:

Series of TP33C differential pressure switch has been designed for interlock purposes or no differential pressure detection .Where critical or high value property is to be maintained within specific environmental conditions , a single control should not be applied to function as both an operating and safety device . In such applications, a separate back-up control with alarm contacts should be wired to indicate when this control operates .

Technical specifications:

Measuring Range:
TP33C-20: 20Pa-200Pa,
TP33C-30: 30Pa-300Pa,
TP33C-50: 50Pa-500Pa,
TP33C-100: 100Pa-1000Pa .
Max .medium Pressure: 5000Pa .
Working Temperature:
-15℃--+60℃(over-pressure 1000Pa)
Protection levels:IP54.
Output contact capacity:1.5A (0.5A) 250AC.
Weight:100g.
Dimension:φ81×53mm .

Installation:

Location: best in the vertical board assembly separated by Wang. As long as that assembly of the smallest shock or vibration, the switch can be fixed directly pipeline, or heater panels. Media temperature -15 / +60 range. TP33C production calibration is at room temperature, preferably also installed in the near room temperature environment. Higher humidity may occur in the system vapor condensation phenomenon, it should be noted hose connecting the mouth downward.
Pressure and wiring connections: connecting pressure subscript position P1⊕ (HV) and P2⊖ (low or HIP) to be wrong. Please refer control device side icon.

Mounting instruction :

Flat screw loose screws can be removed after pressure above the value of the setting (set value at the Arrow location). Shelters assembly to be taken when the first card, the first to push further reduction closure.

Note:

Use a before allocation from the pressure of mounting holes.

Accessory consists of:

(φ6.2mm 1.8m) Introduction of pressure, 4screws, 2 pressure-adapted tubes

Caution:

*The Pressure Switch should be mounted vertically which can prevent affecting on precision from inner atmosphere film weight.
*To prevent electrical shock or damage to equipment , when the cover is emoved ,ensure the power supply is switched off .
*Complete wiring and check the connections before applying power . Incorrect wiring may cause permanent damage to the unit .

Wiring (Screw terminal):

If the actual pressure is below dial setting, 1-2closed, while if the actual pressure is over dial setting, 1-3 closed.

System check:

After proper installation and adjustment of the control ,the system should be checked by running at least one full cycle of the equipment .If anything appears to operate incorrectly , the wiring and components should be rechecked .

Repair and replacement:

Repair is not possible .In case of a defective or improperly functioning control ,please check with your nearest supplier . when contacting the supplier for a replacement ,you should state the type /model number of the control .this number can be found on the side of the control .