

AIR DIFFERENTIAL PRESSURE SWITCH C/W DUCT KIT



| OVERVIEW |

Air Differential Pressure Switches are ideal for verifying the correct operation of ventilation systems by monitoring the pressure differential created by air movement, with a wide range of pressures and IP ratings available.

When interlocked to any of the Flamefast gas safety systems, they can also be used to provide a BS6173 and IGEM/UP/19 compliant interlock.

Each switch has an easily adjustable set point and are supplied with a duct kit (2m of hose, 2x pitot tubes & fixing screws).

DIMENSIONS

| | |
|--------|------|
| Height | 88mm |
| Width | 92mm |
| Depth | 52mm |

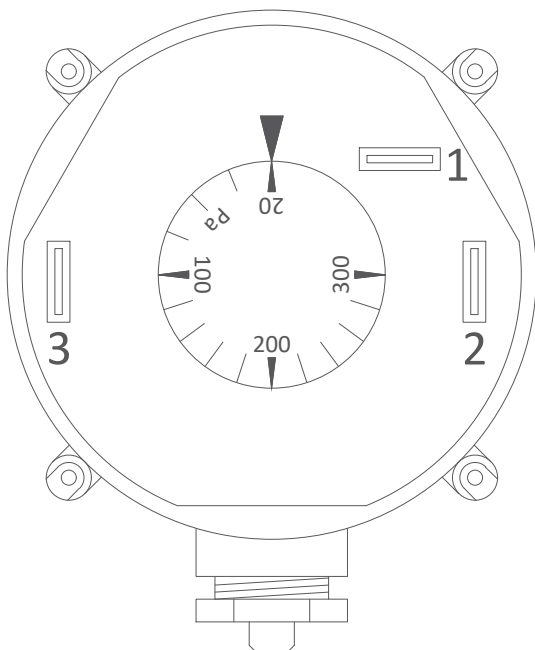
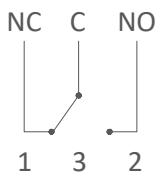
TECHNICAL SPECIFICATION

| | |
|------------|------------------------|
| VFC Output | SPDT - 1.5A @ 250V Max |
| IP Rating | IP54 / IP65 |
| Approval | CE, UKCA |

PART NUMBERS & COMMON ACCESSORIES

| PART NO | DESCRIPTION |
|--------------|--|
| ADPS | Air DP Switch (20-300Pa) c/w Duct Kit |
| ADPS-500 | Air DP Switch (50-500Pa) c/w Duct Kit |
| ADPS-1000 | Air DP Switch (200-1000Pa) c/w Duct Kit |
| ADPS-2500 | Air DP Switch (500-2500Pa) c/w Duct Kit |
| ADPS-IP | Air DP Switch (20-300Pa) c/w Duct Kit - IP65 |
| ADPS-500-IP | Air DP Switch (50-500Pa) c/w Duct Kit - IP65 |
| ADPS-1000-IP | Air DP Switch (200-1000Pa) c/w Duct Kit - IP65 |
| ADPS-2500-IP | Air DP Switch (500-2500Pa) c/w Duct Kit - IP65 |

(Set to Normally Open)



Installation Instructions

Wire to Terminals 2 & 3 (Normally Open) when interlocking into a GasGuard Control Panel. The switch will then close when a healthy airflow is detected.

When monitoring extract ventilation, the pitot tube is to be installed room side of the fan and connected to the P2 (-).

When monitoring supply ventilation, the pitot tube is to be installed room side of the fan and connected to the P1 (+).

The second pitot tube shall be installed on the opposite side of the fan, or when not installed the remaining connection shall be left open to atmosphere (ensure protective cap is removed).

Once installed and with the Fans running at the Minimum acceptable speed the dial is to be set to approximately 20% below the operating pressure.

