Tel ASP-XPA1 Static Pressure Alarm for Hazardous Location Fume Hoods

Model: ASP-XPA1; 120V/15A/60 Hz
Intended for use in laboratories classified as a hazardous location, the explosion-proof low pressure alarm provides continuous monitoring of the negative static pressure in the fume hood exhaust duct. During normal negative static pressure conditions, the alarm illuminates a green indicator LED. When static pressure in the exhaust duct is insufficient, an audible alarm sounds and a red LED indicator illuminates. To maintain the integrity of the certified explosion proof instrument enclosure, the functionality of the test/reset button is performed using a light sensor. The unit can be configured for night setback mode.

Covering the light sensor momentarily acknowledges the alarm and silences the horn for 10 minutes. During periods of darkness, the alarm functions normally but the test/reset function is unavailable. An output relay is provided to signal a remote alarm if needed.

All electrical housings are UL or FM approved for Class 1, Div 1, Groups B, C and D.

Two buzzer options: Class 1, Div 2 or Class 1, Div 1. Specify when requesting a quote.

Specifications
Voltage: 120VAC.
Frequency: 60 Hz.
Current: 1A.
Mains Breaker: Switch/Breaker 15A.
Mounting: Surface Mount.
Alarm Pressure Range: 0.07 to 0.15 inches water.
Alarm relay output: Normally open and Normally closed volt-free contacts. Contacts rated 0.5A at 125 VAC / 1A at 24 VDC.
Visual Indicators: Green LED – static pressure OK; Red LED – static pressure FAIL
Audible Indicator: Intermittent Buzzer – 94 dB at 10 feet.
Horn Silence: Temporary with 10 minute self-reset, permanent until re-enabled or power-cycle.
User Input: Alarm is silenced and tested through the use of an ambient light sensor located behind sealed window in explosion proof housing.
Wiring method: Installer supplies explosion proof wiring materials and glands.
Calibration: Single point pressure setting.
Agency Listings: All housings FM or UL listed.