

AT-ESS03 Explosion-Proof Fire Alarm Siren



Product Overview

The AT-ESS03 is a non-coded, explosion-proof alarm siren. It meets GB3836-2000 standards and is certified for use in Zone 1 & 2 hazardous areas with Group II A, B, C gases, temperature classes T1-T6.

It is a key component in explosion-proof fire alarm systems. Upon receiving a signal from the controller during an emergency, it activates a loud audible alarm to alert personnel.

Key Features

Works with manual call points for simple alarm systems.

Compatible with fire alarm control panels from various manufacturers.

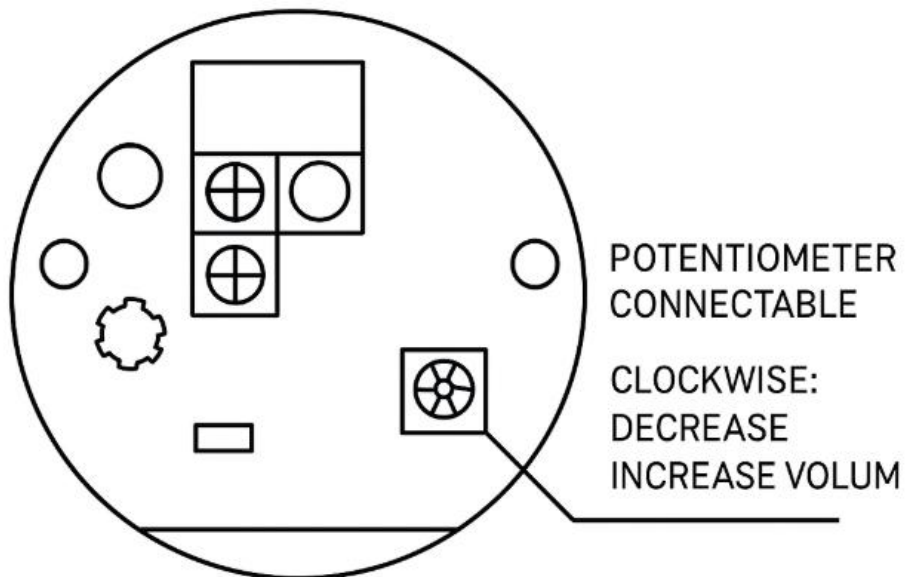
Uses advanced stainless steel mesh for sound transmission, offering low attenuation and high safety.

Technical Specifications

Parameter	Specification
Ex Mark	Exd II CT6
Voltage	DC24V
Current	≤ 600mA
Sound Output	100 dB - 110 dB
Sound Patterns	Fire (Default), Police, Ambulance
Operating Temperature	-20 °C to +50 °C

Parameter	Specification
Humidity	≤ 95% RH (non-condensing)
Atmospheric Pressure	80 kPa - 110 kPa
Conduit Entry	G1/2
Weight	1.6 kg

Installation & Testing



Test: Connect to a DC24V power source. A sounding alarm indicates proper function.

Install: Mount on walls or ceilings using the bracket and two M8 screws.

Volume Adjustment: Open the enclosure and adjust the potentiometer as indicated.

Important Notes

Do not disassemble while powered in hazardous areas.

Avoid damaging the flameproof surface during installation. Keep it clean and ensure screws are evenly tightened.

Perform regular performance checks. Only qualified personnel should conduct repairs.