

Digital SoundProof™ Pilot Monitoring System



The SoundProof processor is capable of monitoring up to four pilots and can be located in hazardous areas.



The SoundProof sensor is rugged and can be mounted at the base of the flare.

THE WAVE OF THE FUTURE

It is essential that flare pilots remain lit constantly in order to provide safe, effective waste gas disposal. John Zink's Digital SoundProof® Monitoring System is a reliable, grade-mounted acoustic pilot monitoring system that continuously verifies pilot flame status.

FAIL SAFE from board failure to sensor outage, the SoundProof pilot monitoring system also responds rapidly to inform the operator if a pilot is extinguished.

AT-GRADE MOUNTING ensures easy installation and maintenance – all without shutting down the flare. In addition, there are no parts located in the high-heat zone, extending the system's useful life.

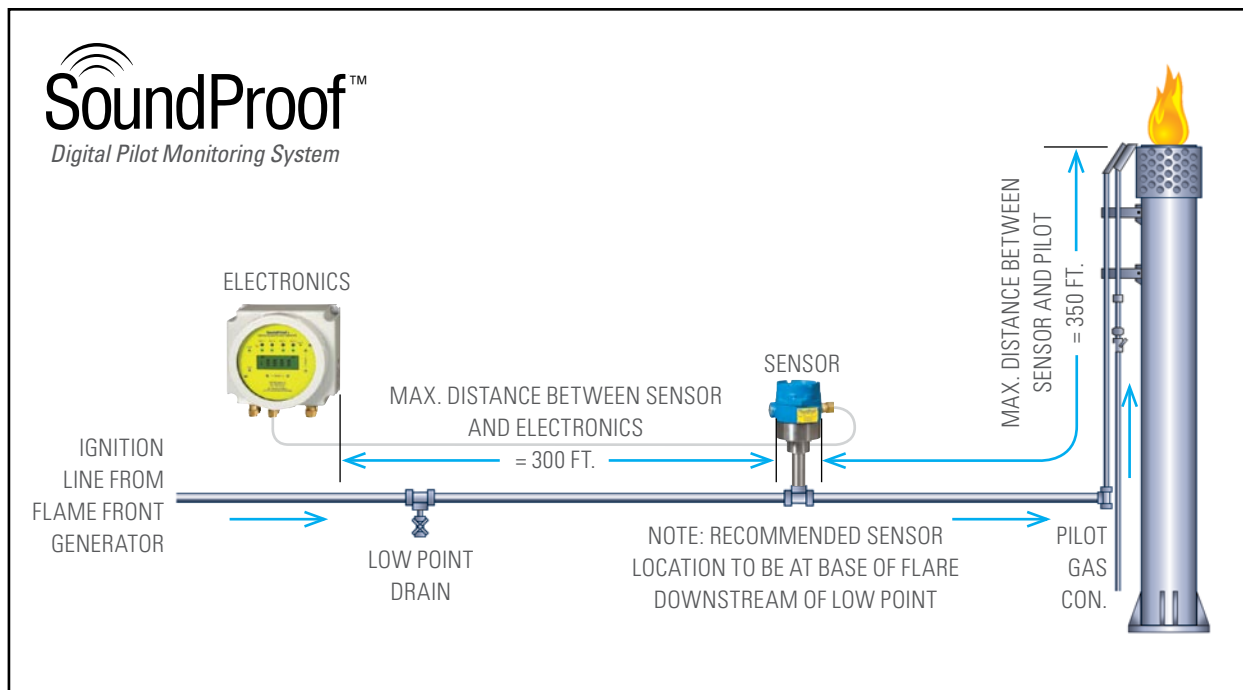
DIGITAL SOUNDPROOF can be dedicated to up to four pilots enabling you to monitor outages on each individual pilot. The sensor uses the flame front ignition line for sound transmission to determine the pilot status by listening to the acoustic signal generated by that pilot.

Additional Features

- User-friendly interface
- Self-checking and calibration loop verifies proper operation
- Certified to SIL 2 by TÜV
- Rugged sensor and electronics
- Simple installation and maintenance during flare operation
- Weather resistant
- Digital and analog outputs for each sensor



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IMMEDIATE VERIFICATION. RELIABLE PERFORMANCE.

The Digital SoundProof sensor can be located up to 350 feet from the pilot; the electronics package can be located up to 300 feet from the sensor (as illustrated). Digital SoundProof is compatible with JOHN ZINK® EEP-210, 310, 500 series, WindPROOF™ and InstaFire™ flare pilots. The sensor and electronics are built with NEMA 7/4 enclosures.

Every day, process plants are challenged to operate efficiently while monitoring their flare system pilots for the presence of a flame. These challenges inspired us to design the Digital SoundProof pilot monitoring system.

The results of installing SoundProof on your flare system? Immediate flame verification and reliable performance.

SoundProof is covered by one or more of the following patents:
U.S. Pat. No. 5813849, EPC Pat. No. 935098 and others.

TO LEARN MORE ABOUT DIGITAL SOUNDPROOF, CONTACT JOHN ZINK TODAY.

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