



SIGNALINE
Cryogenic Leak Detection Cable

Cryogenic linear leak detection system is specifically designed to offer a highly sensitive and reliable solution for monitoring all aspects of the liquefied natural gas industry including LNG storage tanks, equipment and pipelines. The system comprises an ultra-sensitive detection cable and interface module housed in an explosion proof enclosure. Relay and process control outputs are provided to connect to any facility management control panel.

Cryogenic linear leak detection system uses the latest digital signal processing techniques to continuously monitor the entire length of sensor cable. A rapid decrease in temperature anywhere along the cable will trigger an alarm. The interface unit continuously monitors ambient temperature, dynamically adjusting the threshold levels to maintain the highest sensitivity and prevent false alarms. An alarm is triggered when a portion of the cable suddenly reduces in temperature.



Features:

- Resettable - no need to replace detection cable
- Intrinsically Safe for use in Zone 0,1 & 2 hazardous areas, (provisional subject to Atex certification)
- Fault output for open circuit/short circuit conditions
- Simple installation and commission - automatic self calibration
- Integrated shield to reduce RFI susceptibility
- High sensitivity
- Advanced circuit design decreases response time
- Cable lengths from 10 – 150m (33ft – 500ft)
- Maximum single zone length – 150m (500ft)



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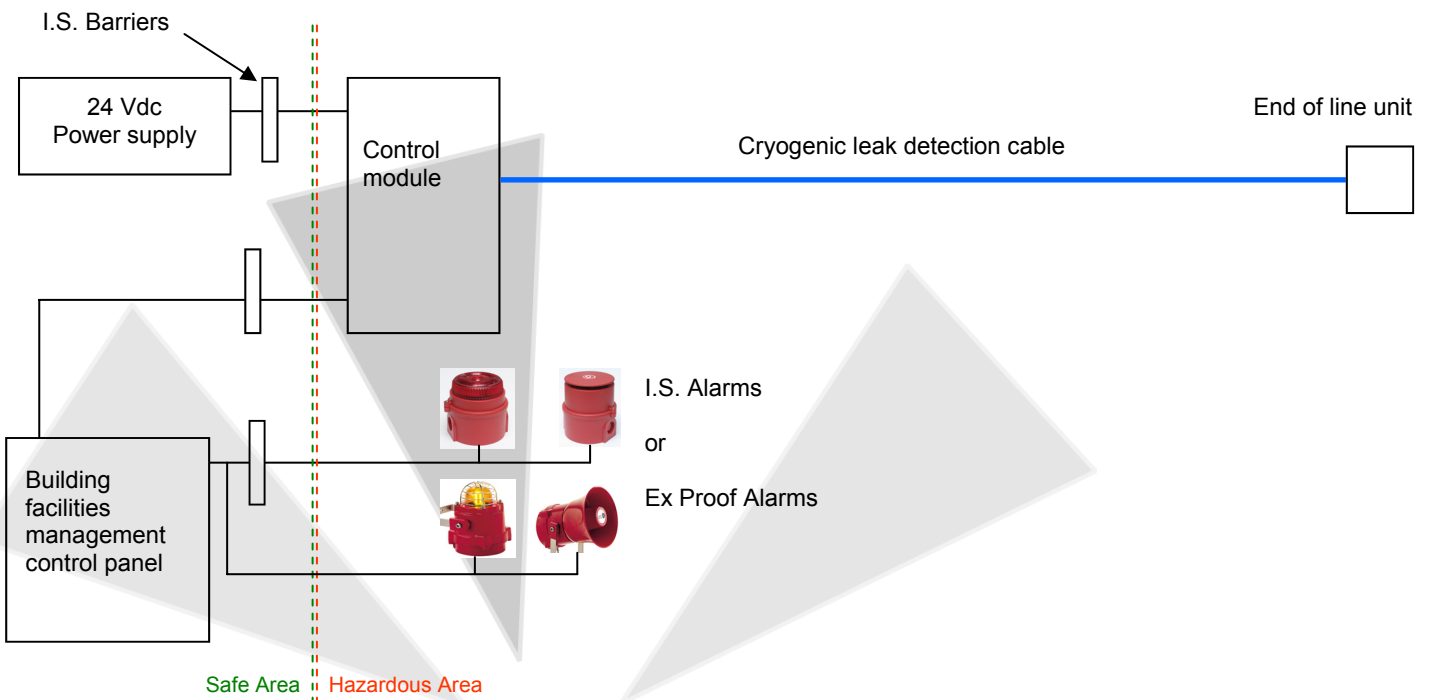
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Typical System Configuration



Note: I.S. barriers, I.S. Alarms or Ex proof alarms are not required when sensing for liquid nitrogen, carbon dioxide and similar non flammable gasses

*Patent pending
Independently tested
by BP plc*

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