



SENTECH CORPORATION



“Early Warning” Refrigerant Monitors

Product Description

SenTech manufactures “Early Warning” single and multipoint INFRARED based refrigerant monitors featuring the ability to offer one monitor programmable for multiple refrigerants in the same location.

SenTech's infrared monitors are cost effective active air-draw sampling systems designed specifically for refrigerants. SenTech monitors offer one, four, eight and sixteen zone detection point capabilities from a single field programmable self-contained metal enclosure.

Each zone is capable of monitoring and responding to any one of 20 Refrigerants from a standard library via keypad entry. The monitors are expandable, offering flexibility to change configurations or applications at a later date. SenTech’s monitors comply with ASHRAE-Std 15.

Value Statement: Designed for Industrial Comfort Air and Refrigeration Applications, SenTech refrigerant monitors are low cost, reliable, and highly accurate "Early Warning" refrigerant loss detection systems that provide facilities management the opportunity to measure, alarm and conserve all blends of refrigerant gas resources and implement timely repairs to prolong the life of expensive hi-pressure chiller and refrigeration systems.

Customer Group & Applications

OEM, Retail, Commercial, Industrial, Institutional & Telecommunication Properties

Comfort Air Applications:

- ❖ Office Buildings
- ❖ Hospitals
- ❖ Schools and Universities
- ❖ Factories
- ❖ Government Facilities

Refrigeration Applications:

- ❖ Supermarkets
- ❖ Refrigerated Warehousing
- ❖ Industrial Process Cooling
- ❖ Sports Arenas
- ❖ Agricultural Process & Storage

Critical Environments:

- ❖ Corporate Data Centers
- ❖ Telecom Switching Facilities
- ❖ Process Control Rooms
- ❖ Industrial Robotic Systems
- ❖ Medical Diagnostic Complexes
- ❖ Clean Rooms

Market Drivers: Cost containment and Safety. Under Section 608 of Clean Air Act (CAA), the EPA’s Global Programs Division and ANSI/ASHRAE Standard 15-2001 drive Local City Codes that require strict monitoring of refrigerants for safety and quantity usage.

Need

- ❖ Refrigerant detector with an audible, visual and BAS alarm configurations
- ❖ Monitor multiple refrigerants in same room/area/space.
- ❖ Monitor refrigerants and “other” gases

Features

- ❖ Four line digital display and three alarm level relays
- ❖ Each zone is capable of monitoring any one of 20 refrigerants from a standard library.
- ❖ SenTech units can be configured to sense refrigerants plus Ammonia, CO₂, CO and other gases from one panel

Solution

- ❖ Workers can see and hear if there is a refrigerant leak.
- ❖ Field technicians can set refrigerant types (blends). No Field calibration required.
- ❖ Factory-Direct engineering support –Eliminate cost for additional sensing equipment