



GAS & SPECIALTY SENSORS

SINGLE ZONE REFRIGERANT GAS MONITOR

MODEL HGM-SZ

DESCRIPTION

The **Model HGM-SZ Single Zone Refrigerant Gas Monitor** is designed for continuous monitoring of CFC, HFC, and HCFC refrigerants and halogen gases. The unit features 30 preprogrammed refrigerants plus one custom gas. Three adjustable alarm levels with relay output designate leak, spill, and evacuation concentrations. Gas alarms and system fault conditions are indicated by visual and audible alarms. The **Model HGM-SZ** provides a system fault relay output and a 4 to 20 mA output for integration with remote monitoring equipment or building management systems.

FEATURES

- 30 preprogrammed refrigerants and one custom
- Self diagnostics verify operation
- Three alarm levels with SPDT alarm contacts
- System fault alarm
- 200 data point logging
- 4-20 mA output signal
- 50-foot sampling tube and end filter included
- Audible and visual alarm indication
- Local indication of current and peak gas levels
- Alarm-silence button

SPECIFICATIONS

Power requirements	100 to 240 VAC, 50/60 Hz
Sensing technology	Single pass, infrared non-dispersive
System gas library	R-11, R-12, R-22, R-23, R-113, R-114, R-123, R-124, R-125, R-134a, R-227, R-236fa, R-245fa, R-401a, R-402a, R-402b, R-404a, R-407a, R-407c, R-408a, R-409a, R-410a, R-500, R-502, R-503, R-507, R-508b, H-1211, H-1301, H-2404, N-1230
Measuring range	0-1000 ppm
Accuracy	±1 ppm ±10% reading
Sensitivity	1 ppm
Output	3 alarm relays, 1 fault relay, 240 VAC, 5A, and 4-20 mA 500Ω (non-isolated)
Response time	9 to 90 seconds depending on sample tube length
Warm-up time	15 minutes
Operating ranges	
Humidity	5% to 90% RH (noncondensing)
Temperature	32° to 122°F (0° to 50°C)
Dimensions	7.7"H x 3.6"D x 13.7"L (20 x 9 x 35 cm)
Weight	7 lb (3.2 kg)
Approvals	UL (61010-1), CSA, CE
Warranty	2 years

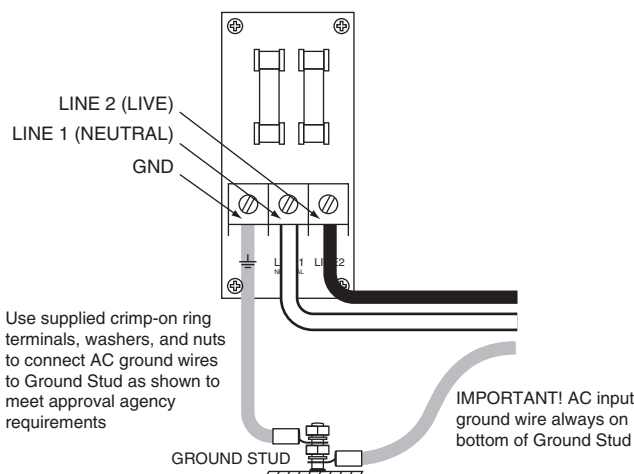


CAUTION: Not to be used as a life-safety device.

INSTALLATION

The monitor should be located outside the mechanical room and readily accessible for verification and servicing. The sample line should be located as close as possible to the source of a potential leak.

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
HGM-SZ	Single zone refrigerant monitor
125-SS-2	Replacement charcoal filter*
M1104KF	Replacement line end filter

*NOTE: Recommend replacing every six months.