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 www.weissinstruments.com

Project Name: _____

Location: _____

IDN# _____ Quantity: _____

Catalog# _____

CAT NO. GD24

Gas Leak Detector

Continuous Monitoring

The GD24 Leak Detectors are intended for installation in Walk-in's, Chillers, Racks or other spaces where Refrigerant gas is used, handled or stored, such as refrigerated warehousing, food stores & c-stores. The new EPA regulations apply to installations where over 50 lbs. of refrigeration is used. The detectors can be used independently or connected to a monitoring unit or to any other monitoring system that accepts Dry Contacts.

The GD24-HFC will work with any CFC/HFC/HCFC plus Propane, and features three levels of alarms; GSH24-CO2 features an IR sensor for CO2 and bulk CO2. Beer Keg Coolers and Carbonated Beverage Systems should be monitored. An optional remote alarm tower will alert to a dangerous CO2 level. The relays are rated 5A/250V SPDT, NO & NC and is powered by a 24Vac ac/dc Class 2 transformer (sold separately).

Complies with EPA 40CFR Part 82 regulations in effect January 1, 2017.

Features:

- The detector is microprocessor controlled and displays the current operating status via LED's.
- Three adjustable alarm levels with relay outputs 5A/250V.
- Alarm delay, selectable in four steps.
- Manual or automatic reset on alarm.
- Fail-safe function with built-in monitoring and power failure alarm.
- Built-in self-test and service function.
- Test terminal for service tools.
- Robust non corrosive Polycarbonate enclosure for installation, with Ambient Range of -40°F to 122°F.



Leak Detector 24Vac	Pre-Alarm	Leakage Alarm	Main Alarm
GD24-HFC-4000 HFC, HCFC, CFC	C=100 ppm	B=1000 ppm	A=2000 ppm
GD24-Propane R-290 Propane	C=5%	B=10%	A=20%
GSH24-CO2-10,000	C=2000	B=5000 ppm	A=8000 ppm

For other Gases contact the Factory.

APPROVALS:

DATE:

MODEL GD24 OVERVIEW

The Sensor detects CFC's/HFC's,HCFC's,CO₂ or Propane (R-290), depending on the model, using a Semiconductor or IR sensor, and will alarm at three levels. The 3 relays are rated at 5A/250V Dry contacts SPDT, NO/NC, can be connected to any monitoring system or a controller's Digital Inputs.

MOUNTING

The product is wall mounted using wall mounting holes on the back of the 160mm / 6.35" x 80mm / 3.15" case. The units should be mounted 6-8" off the floor and at least 24" away from fans or doors.

SENSORS

The Semiconductor Sensor and IR (for CO₂) is pre-calibrated and has a five year life. It should be calibrated annually using the SA200 Service Tool.

POWER

The product is powered by 24Vac/dc 2 watts. A class 2 transformer, sold separately is required.

OUTPUT

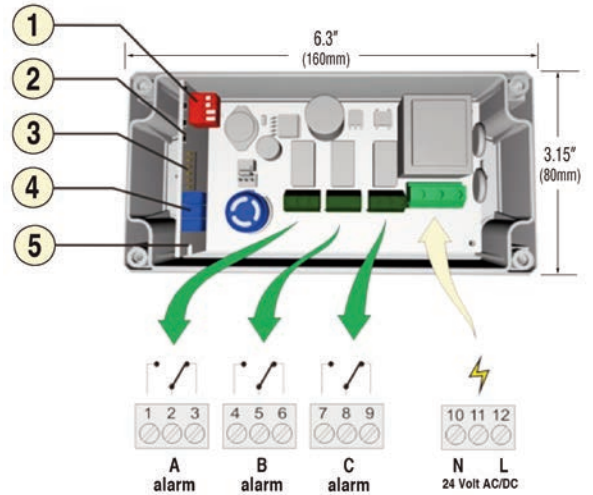
3x5A/250V Dry contacts SPDT, NO/NC relays

TECHNICAL DATA

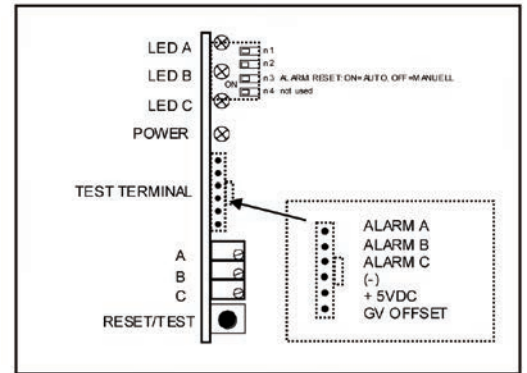
- Housing: Polycarbonate, PC
- Power supply: 12-24V AC/DC (model Gx24-XX)
- Power consumption: Max 2W
- LED Indicators: Power/Active and alarm indication on three levels.
- Outputs relay: Dry contacts (250V, max 5A).
- Ambient temp: -40F - 122F (Automatic temperature compensation)
- Humidity: 0-95% RH (non condensing)
- Glands: 4 M16 membrane glands
- Screw terminals: 1.5mm, 2 fuse /10A



LT-2
Light Tower



- 1 DIP Switches for alarm time delay
- 2 4 LED indicators, Alarm A, Alarm B, Alarm C, Power
- 3 Test Terminal
- 4 Alarm Calibration potentiometers (3) Factory pre-calibrated
- 5 Reset / Test / Service Button



SA200 - Basic Service Tool

The tool is used with a voltmeter to check and adjust the settings of the alarm levels and sensor offset of gas detectors and control panels.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

WARRANTY
ONE YEAR