AGS Refrigerant Gas Detection

Advanced Gas Detection & Ventilation Control

NO PROGRAMMING REQUIRED

Detector Placement

Radius of coverage approx. 25ft (7,580sq. ft.) per detector or 1 sensing point per chiller.

AGS-RTFT refrigerant detectors have been specifically designed and manufactured for the Merlin Guard controller.
AGS-RTFT detectors should be mounted where a potential hazard of refrigerant gas is most likely to be present. Use the 25ft radius or 1 sensor per chiller as a rule of thumb when considering detector placement. Take into consideration where the gas is likely to flow and accumulate. Avoid placing in areas where the detector is subject to higher than normal airflow.

GAS DETECTION CONTROLLERS

The GDP range of gas detection controllers with with entire range of TFT sensors. Place the controller inside of the room and utilize the manual reset to meet ASHRAE 15 code.

REFRIGERANT DETECTORS

The TFT range of gas detectors ar designed to work with the GDP control panels.

- ✓ Audible and Visual Alarms
- ✓ Remote Communications
- ✓ Fan Activation
- ✓ Automatic Shutdown
- ✓ Manual Shutdown
- ✓ Remote Monitoring
- ✓ Remote Panic Buttons
- ✓ Custom Applications

Detector Models

Gas Type	Model	Pre-Alarm	Alarm
R134a	AGSRTFT-134a	175PPM	1000PPM
R410a	AGSRTFT-410a	350PPM	1000PPM
R32	AGSRTFT-32	350PPM	1000PPM

Product Overview

MerlinGuard Controller

16 Remote Sensors
Pre & High Alarm Relays
4 Relays
0-10V

GDP2X Controller

8 Remote Sensors
High Alarm Relays
2 Relays

Detectors Model: TFT

NDIR Sensor Powered
From AGS GDP
or MerlinGuard
Controller

Remote Alarms Model: AGSAAB

Automatically
Activate Controller
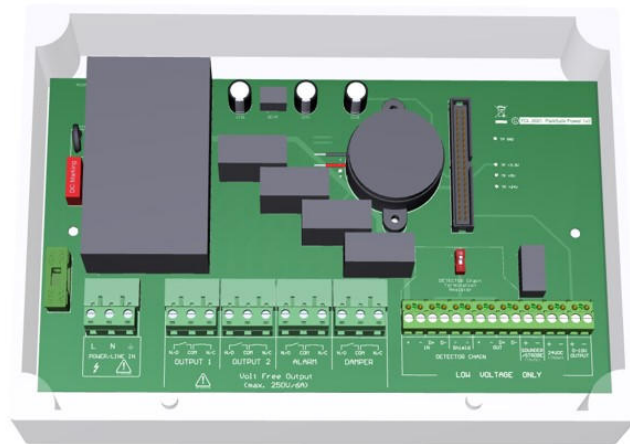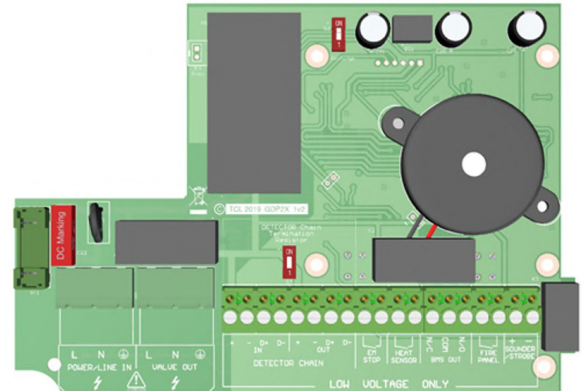& Remote
Audible Alarms
In Alarm

Connectivity

Automatically
Activate Controller
& Remote
Audible Alarms
In Alarm

Clearly Labeled Circuit Boards
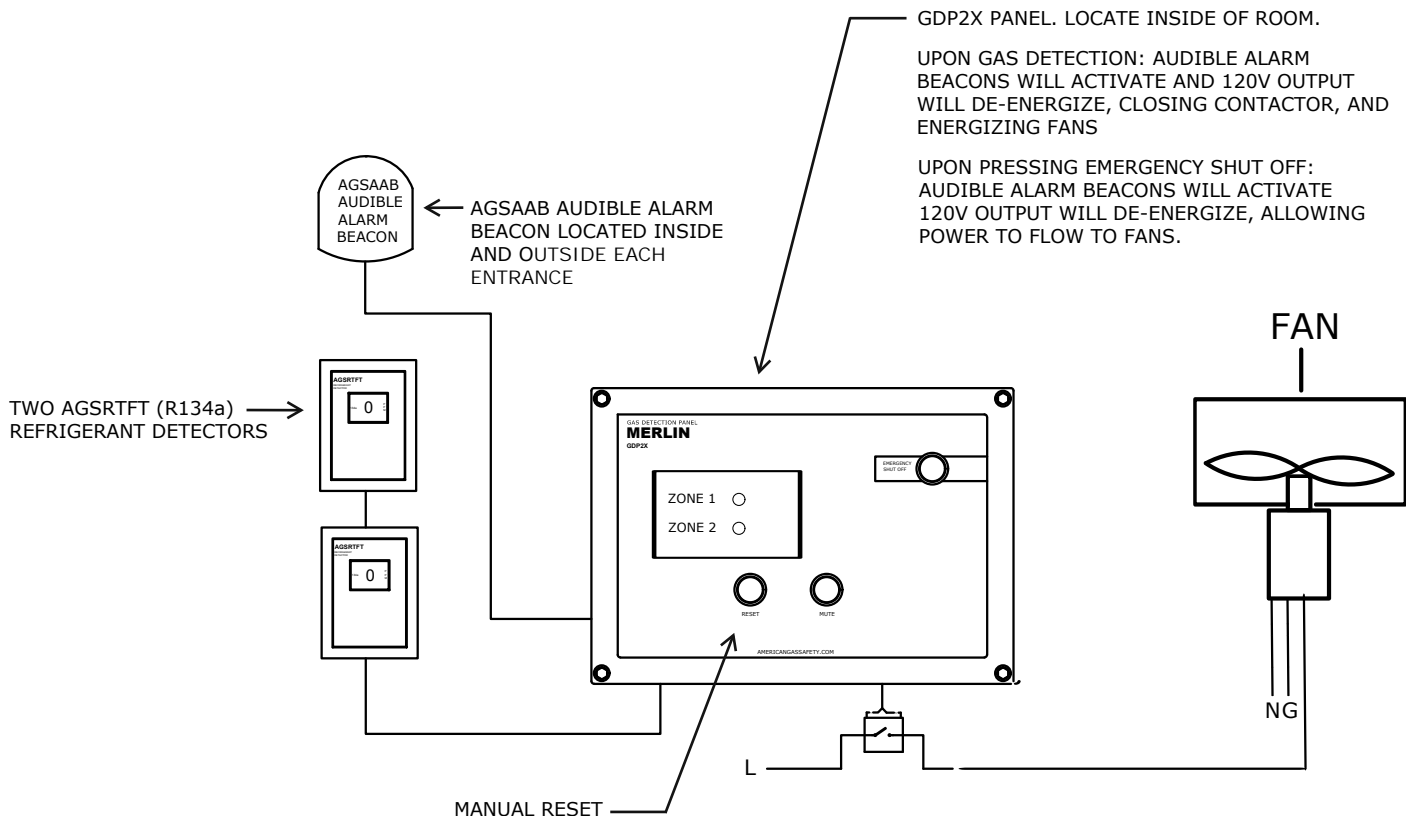## Quick and Easy Install Saves Time and Money

MerlinGuard

GDP2X

GDP2X AND TFT REFRIGERANT EXAMPLE SET UP

GDP2X PANEL. LOCATE INSIDE OF ROOM.

UPON GAS DETECTION: AUDIBLE ALARM BEACONS WILL ACTIVATE AND 120V OUTPUT WILL DE-ENERGIZE, CLOSING CONTACTOR, AND ENERGIZING FANS

UPON PRESSING EMERGENCY SHUT OFF: AUDIBLE ALARM BEACONS WILL ACTIVATE 120V OUTPUT WILL DE-ENERGIZE, ALLOWING POWER TO FLOW TO FANS.

AGSAAB AUDIBLE ALARM BEACON

AGSAAB AUDIBLE ALARM BEACON LOCATED INSIDE AND OUTSIDE EACH ENTRANCE

TWO AGSRTFT (R134a) REFRIGERANT DETECTORS

AGSRTFT

AGSRTFT

FAN

GAS DETECTION PANEL
MERLIN
GDP2X

EMERGENCY SHUT OFF

ZONE 1

ZONE 2

RESET

MUTE

NG

L

MANUAL RESET

AMERICANGASSAFETY.COM

Find out more
American Gas Safety LLC
www.americangassafety.com

Head office:
6304 Benjamin Road, Suite 502, Tampa, FL 33634
Tel: (727) 608-4375
Email: info@americangassafety.com

Contact American Gas Safety for free design consultancy and application support