

TDLR Boiler Safety Solution

Carbon Monoxide & Explosive Gas Protection



Ensure Compliance With The Latest TDLR Code

Incredibly Easy to Use & Install

- ✓ Emergency Shutdown of Gas & Boilers
- ✓ Industrial Grade Polycarbonate material to withstand daily use
- ✓ Compact Adaptable Design provides safety and assurances
- ✓ UL Listed for your protection
- ✓ Individual relay outputs per gas
- ✓ Clear digital display
- ✓ 5amp SPDT relays

Modern Design

Slim compact enclosure

Quick & Simple Setup

Plug and play product for speedy installation

Easy To Use

Clear TFT screen displays status indication & live gas detector values

Communication

Fire/BAS panel integration

UL Sensor

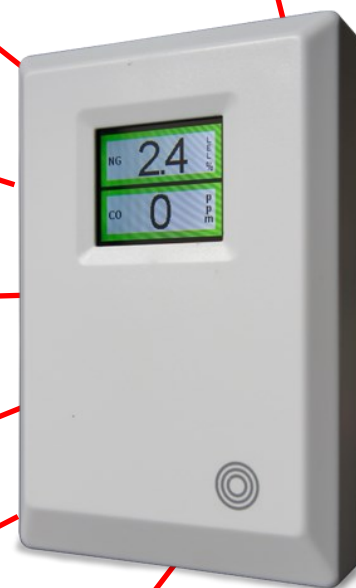
Commercial grade
5-7 year life span

Robust Control

Touch sensitive button

Emergency Shutdown

Remote emergency shut off buttons can be connected to shutdown gas and boilers



Designed In Accordance With TAC 16 Code



The Mini Merlin exceeds the requirements set out in the 16 Texas Administrative Code (TAC) Chapter 65 Implement Texas Health and Safety Code Chapter 755, Boilers.

A carbon monoxide (CO) detector and interlock system is newly required for boilers installed in boiler rooms on or after September 1, 2020, which will significantly reduce deaths and injuries resulting from CO poisoning.

This requirement is necessary to protect public health, safety, and welfare.

AGS Partcode	Description	Voltage
AGSCH4CO	MiniMerlin NAT/CO Dual Detector Isolation Panel	120VAC
AGSLPGCO	MiniMerlin LPG/CO Dual Detector Isolation Panel	120VAC

Gas Safety Systems



Utility Control

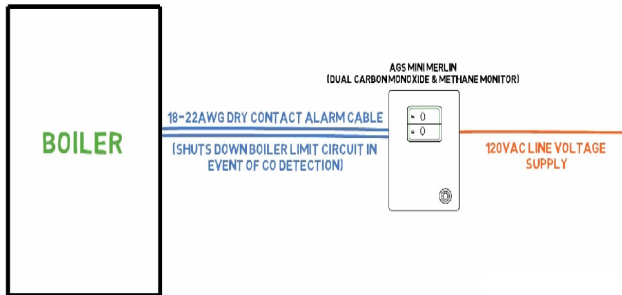
American Gas Safety, LLC. 4500 140th Ave N. Suite 101. Clearwater, FL 33672 T.(727) 608-4375 F.(727) 538-4237 www.americangassafety.com

Add Gas Safety To Your Design

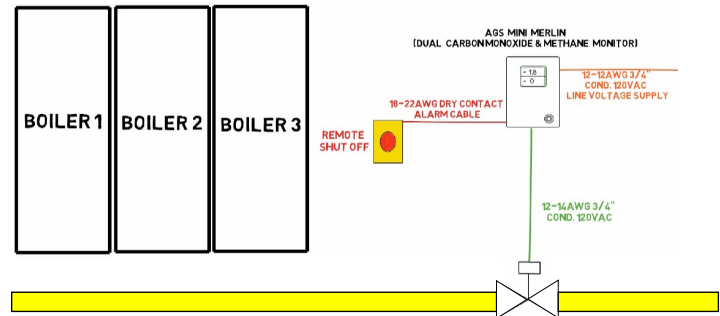


Protect Life & Building from the dangers of Gas Leaks & Carbon

Boiler Limit Circuit Shutdown



Typical Mini Merlin Setup



Meet Section 65.206 Boiler Room

- (a) Each boiler room containing one or more boilers from which carbon monoxide can be produced shall be equipped with a carbon monoxide detector with a manual reset.
- (1) The carbon monoxide detector and boiler(s) shall be interlocked to disable the burners when the measured level of CO rises above 50ppm.
 - (2) The carbon monoxide detector shall disable the burners upon loss of power to the detector.
 - (3) The carbon monoxide detector shall be calibrated in accordance with the manufacturer's recommendations or every eighteen months after installation of the detector. A record of calibration shall be posted at or near the boiler, or be readily accessible to an inspector.
 - (4) The requirements in this subsection apply to boiler rooms in which new installations or reinstallations of one or more boilers are completed on or after September 1, 2020.

The Importance Of Carbon Monoxide Protection

According to the National Center for Environmental Health 'Every year, at least 430 people die in the U.S. from accidental CO poisoning.'

Approximately 50,000 people in the U.S. visit the emergency department each year due to accidental CO poisoning.'



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