AGS

AMERICAN GAS SAFETY

Product Catalog

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Solutions

Products

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SCIENCE LABORATORIES

A ball valve is no longer the best means of protection for gas use in a science laboratory.

The simple addition of an AGS Merlin panel can significantly improve teacher control and occupant safety within the classroom.

When using gas in a classroom environment provide more than just on off control. The merlin range of pressure proving panels provide safe start up along with low pressure and over pressure safety.

KEYED GAS, ELECTRIC & WATER SHUT OFF WITH OPTIONAL GAS LEAK DETECTION

AGS Products

Controllers
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Merlin 1000Si Range **p14**

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COMMERCIAL KITCHENS

Restaurant owners are realizing, now more than ever, how important it is to have safeguards in place when unexpected issues arise.

ADD GAS CONTROL & AIR QUALIITY MONITORING FOR LIFE SAFETY

AGS supply a range of emergency gas shutdown & hazardous gas detection products to provide protection against the dangers of faulty cooking equipment ventilation hoods & improper ventilation.

BOILER/ MECHANICAL ROOMS

According to federal data, incidents related to natural gas pipelines are not uncommon, occurring nearly every other day, causing millions of dollars in property damage and several deaths each year.

American Gas Safety have a solution for every commercial boiler room application. We offer a wide range of control panels, gas detectors, heat sensors, audible alarm beacons and gas solenoid valves. Whether your project is a small boiler room or a large scale mechanical room we have the knowledge and experience to offer the perfect products.

PROTECTING BUILDINGS & LIFE FROM THE DANGERS OF GAS

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GDP2X (8 Zone) Controller **p16**
GDPX+ (16 Zone)
Controller **p16**

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CHILLER ROOM & VRF REFRIGERANT DETECTION SOLUTIONS

REFRIGERANT GAS DETECTION

Refrigerant is the process of cooling a space, substance or system to lower or maintain its temperature.

American Gas Safety offer a range of refrigerant gas detection solutions & detectors to meet code requirements.

PARKING GARAGE / MAINTENANCE BAYS / DEALERSHIPS

CO/NO2 MONITORING WITH NO PROGRAMMING

A ball valve is no longer the best means of protection for gas use in a science laboratory.

Installing a CO/NO2 system stands as the sole alternative to continuously operating fans at maximum speed throughout each day, as stated by IMC 2021.

Enclosed parking garages have traditionally relied on detection systems to monitor vehicle exhaust, primarily targeting gases like Carbon Monoxide and Nitrogen Dioxide that arise from incomplete combustion in vehicles.

One significant advantage of implementing a gas detection system in a garage is the potential for reducing expenses associated with electrical and energy consumption by automatically regulating mechanical ventilation & dampers dependent on the gas levels within the space. On average, the investment made in a gas detection system can be recovered within a year.

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COMPLY WITH SAFETY REGULATIONS

WAREHOUSE / FORKLIFT / BATTERY CHARGING GAS DETECTION

Batteries produce hydrogen when they are charging, which can leak into the atmosphere and cause a potential explosion hazard if the levels rise to a dangerous level.

Warehouse facilities containing forklifts, battery charging rooms & data centers are common spaces that require hydrogen gas detection in accordance with code.

FIRE PITS / HEATERS / GRILLS / GAS FEATURES

Communal areas are offering more conveniences, including gas powered grills, heaters & fire pits.

Control of these spaces are essential to protect life & property damage from improper use. American Gas Safety provide the ideal safety solution. Local & 24/7 programmable timed control, emergency shutdown & alarm activation.

TIMED CONTROL FOR GAS FEATURES

AGS Products
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AGSTGC **p15**

TGC Enclosures
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AGSLPGCO Range **p21**

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Outdoor Grill Gas Control
AGSTGC **p15**
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Ancillaries
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EMERGENCY SERVICE STATION GAS SAFETY

When emergency service personnel rush to help, they sometimes leave their Gas or Electric ranges on. These instances can lead to embarrassing if not fatal accidents which can cause huge amounts of damage.

PROTECTING THE PEOPLE WHO PROTECT US

American Gas Safety provide a simple solution to connect the annunciation alarm to an AGS controller within the firehouse which will isolate the gas or electric whenever a call comes in. If the alarm goes off and some firefighters are still cooking they can override the shutdown using a simple authority key. Apparatus/service bays are typically connected to occupied spaces where people inhabit. The vehicles within these areas produce toxic gases such as carbon monoxide & nitrogen dioxide. Gas detection & ventilation control is essential for life protection.

DATA CENTER WATER LEAK DETECTION

Communal areas are offering more conveniences, including gas powered grills, heaters & fire pits.

Water leak detection systems are frequently implemented in data centers, communications rooms, and other structures reliant on information technology. The importance lies in safeguarding these vital assets from fires and floods by promptly receiving notifications of any incidents, facilitating swift action for preventive measures and sometimes shutdown of water. The leakage of water from sources such as HVAC systems, AC units, water pipes, drainage, or even groundwater can result in substantial disruptions.

ROPE WATER LEAK DETECTION

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PREVENTION OF SCALDING FROM FAULTY MIXING VALVES

WATER TEMPERATURE MONITORING

The AGS Water Temperature Monitor (WTM) is carefully designed for health care facilities to monitor and control the water supply system.

WTM will prevent scolding water going down the pipe and potentially burning the end user. The WTM incorporates a simple user interface to reset and/or silence alarm condition. Minimum and Maximum permitted water temperatures are configurable via the internal switch and fascia controls upon installation.

AGS CONTROLLERS

Merlin 1000S Range

Features
- ✓ Three Models - Single, Dual or Tri Utility Control Output
- ✓ Original Gas Pressure Proving Technology With Low & High
- ✓ Gas Pressure Monitoring
- ✓ Key Lock Authority Prevents Tampering & Gives Teachers Full Control Over Classroom Utilities
- ✓ Automatic Time-Out Feature
- ✓ Quick Emergency Shutdown
- ✓ UL 61010 Listed

Popular Applications
Science Laboratories K-12, Colleges & Universities

Merlin 1000Si Range

Features
- ✓ Three Models - Single, Dual or Tri Utility Control Output
- ✓ Key Lock Authority Prevents Tampering & Gives Teacher Full Control Over Classroom Utilities
- ✓ Automatic Time-Out Feature
- ✓ Quick Emergency Shutdown
- ✓ UL 61010 Listed

Popular Applications
Science Laboratories K-12, Colleges & Universities

Merlin 1500S Range

Features
- ✓ Interlock up to 4 fans using Air PD switches or fan current sensors.
- ✓ Gas solenoid cannot be opened unless the ventilation system is proven to be working effectively.
- ✓ Will accept remote emergency knock-off buttons.
- ✓ Key switch operation gives the user full control.
- ✓ Clear LED display for system indications.
- ✓ Compatible with both BMS and fire alarm systems.
- ✓ UL 61010 Listed

Popular Applications
Commercial Kitchens

Merlin GDP2X

Features
- ✓ 8 zone gas detection system
- ✓ Audible & Visual Alarms
- ✓ Remote Communications
- ✓ Fan Activation
- ✓ Automatic & Manual Shutdown
- ✓ Connectivity For Fire Alarms & Remote Panic Buttons
- ✓ Custom Applications

Popular Applications
Chiller Rooms, Battery Storage, Boiler Rooms, Oxygen Depletion/Enrichment & Breweries

Merlin GDPX+

Features
- ✓ 16 zone gas detection system
- ✓ Audible & Visual Alarms
- ✓ Remote Communications
- ✓ Fan Activation
- ✓ Automatic & Manual Shutdown
- ✓ Connectivity For Fire Alarms & Remote Panic Buttons
- ✓ Custom Applications

Popular Applications
Chiller Rooms, Battery Storage, Boiler Rooms, Oxygen Depletion/Enrichment & Breweries

AGS ParkSafe

Features
- ✓ Pre programmed relays & 0-10VDC output
- ✓ No field programming required
- ✓ Digital touch screen display
- ✓ Monitor up to 16 individual gas detectors, their locations, gas levels and service requirements
- ✓ UL61010 Listed

Popular Applications
Parking Garage / Maintenance Bays / Dealerships

AGS CONTROLLERS

AGSTGC

Features
- ⊘ Automatic Control Over Gas
- ⊘ 110V ac or 24V ac/dc Power Supply
- ⊘ Manual Reset After Alarm Condition
- ⊘ Four Time Delay Options – 30 minutes, 1 hour, 2 hours or 3 hours
- ⊘ Heaters – 110V ac or 24V ac/dc
- ⊘ Easily wall mounted and labelled PCB
- ⊘ Weatherproof cover available pg 27

Popular Applications
Fire pits / Heaters / Grills / Gas features

AGSWTM

Features
- ⊘ 24V or 120V Power Input
- ⊘ Valve Isolation Capabilities
- ⊘ Adjustable Temperature Set Points
- ⊘ Simple & Quick Setup
- ⊘ Low Temperature Cut Off Feature Available
- ⊘ BMS/BAS Communications
- ⊘ Dry Alarm Relay & 0-10V Analog Output
- ⊘ In-Built Audible Alarm]

Popular Applications
Health Care Facilities

AGSWLD

Features
- ⊘ TBC

COMING SOON

Popular Applications
TBC

MerlinGuard

Features
- ⊘ TBC

COMING SOON

Popular Applications
TBC

GAS DETECTORS

AGSiS (With Screen)

Features
- 24VAC or DC Power Input
- LED Status Indication Display Changes Color
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector Or Used With An AGS Controller
- BMS/BAS Communications
- Alarm Relay Dry Contact
- 0-10VDC Output
- Built-In Audible Alarm

Popular Applications
Commercial Spaces Such As Schools, Office, Boiler/Mechanical Rooms, Chiller Rooms, Warehouses, Emergency Service Stations, Data Centers, Parking Garages & more

Gases Available
Carbon Monoxide, Natural Gas, Liquified Petroleum Gas, Hydrogen, Carbon Dioxide, Nitrogen Dioxide, Oxygen Depletion/Enrichment, Refrigerant (R134a, R410a, R32)

AGSTFT

Features
- 24VAC or DC Power Input
- Traffic Light Indicator Display Changes Color
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector Or Used With An AGS Controller
- BMS/BAS Communications
- Alarm Relay Dry Contact
- Built-In Audible Alarm

Popular Applications
Commercial Spaces Such As Schools, Office, Boiler/Mechanical Rooms, Chiller Rooms, Warehouses, Emergency Service Stations, Data Centers, Parking Garages & more

Gases Available
Carbon Monoxide, Natural Gas, Liquified Petroleum Gas, Hydrogen, Carbon Dioxide, Nitrogen Dioxide, Oxygen Depletion/Enrichment, Refrigerant (R134a, R410a, R32)

AGSi (Without Screen)

Features
- 24VAC or DC Power Input
- Traffic Light Indicator Display Changes Color
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector Or Used With An AGS Controller
- BMS/BAS Communications
- Alarm Relay Dry Contact
- 0-10VDC Output
- Built-In Audible Alarm

Popular Applications
Commercial Spaces Such As Schools, Office, Boiler/Mechanical Rooms, Chiller Rooms, Warehouses, Emergency Service Stations, Data Centers, Parking Garages & more

Gases Available
Carbon Monoxide, Natural Gas, Liquified Petroleum Gas, Hydrogen, Carbon Dioxide, Nitrogen Dioxide, Oxygen Depletion/Enrichment, Refrigerant (R134a, R410a, R32)

AGSR-NDIR

Features
- Two Models Available: 24VAC Power Input & 120VAC Power Input
- LED Indicator Display Changes Color
- Modern & Compact Design
- Plug & Play Installation
- Standalone Detector Or Used With An AGS Controller
- BMS/BAS MODBUS RS485 Communications
- Alarm Relay Dry Contact
- Built-In Audible Alarm

Popular Applications
Any occupied spaces with VRF (variable refrigerant flow) systems

Gases Available
R404a
R407c
R410a
R32
A2L

GAS DETECTORS

AGSCO2X

Features

- ⊘ Dual Power 100-120V AC or 12-24V AC / DC
- ⊘ CO2 & Temperature Monitor
- ⊘ Automatically Drive Ventilation Fans To Reduce CO2 / H / T
- ⊘ Modern & Compact Design
- ⊘ Plug & Play Installation
- ⊘ Clear TFT Screen Displays Live Gas Levels & Status Indications
- ⊘ BMS & Fire Panel Connectivity
- ⊘ Three Alarm Relays & 0-10VDC Output
- ⊘ Fan Boost, Must & Wake Up Button

Popular Applications

Any occupied spaces

Gases Available: Carbon Dioxide

AGSCH4CO Mini Merlin Range

Features

- ⊘ Combined Natural Gas & Carbon Monoxide Monitoring
- ⊘ Automatic Emergency Shutdown Of Gas, Heaters & Other Equipment
- ⊘ Manual Reset After Alarm State
- ⊘ Plug & Play Installation
- ⊘ Modern Design
- ⊘ BMS & Fire Panel Connectivity
- ⊘ Three Models Available For Specific Code Requirements
- ⊘ UL Listed

Popular Applications

Anywhere where the combustion of gas is present

Gases Available

Gases Available: Carbon Monoxide, Natural Gas (Methane)

AGSPS

Features

- ⊘ 24VDC Power Input
- ⊘ Traffic Light Indicator Display
- ⊘ Modern & Compact Design
- ⊘ Plug & Play Installation
- ⊘ Used With The ParkSafe Controller
- ⊘ BMS Communications
- ⊘ Up To 16 Detectors Can Be Linked Together
- ⊘ End Of Operational Life & Annual Service Notifications To ParkSafe Controller

Popular Applications

Emergency Service Stations, Parking Garage / Maintenance Bays / Dealerships

Gases Available

Carbon Monoxide, Nitrogen Dioxide

AGSLPGCO Mini Merlin Range

Features

- ⊘ Combined Natural Gas & Carbon Monoxide Monitoring
- ⊘ Automatic Emergency Shutdown Of Gas, Heaters & Other Equipment
- ⊘ Manual Reset After Alarm State
- ⊘ Plug & Play Installation
- ⊘ Modern Design
- ⊘ BMS & Fire Panel Connectivity
- ⊘ Three Models Available For Specific Code Requirements
- ⊘ UL Listed

Popular Applications

Anywhere where the combustion of gas is present

Gases Available

Carbon Monoxide, Liquified Petroleum Gas (LPG)

ANCILLARIES

Emergency Shut Off Buttons

Features
- Twist release reset or keyed-reset
- Various colors, text & design types available
- ADA Compliant
- Indoor & Outdoor Use Models
- Quick Action Emergency Shut Off

Popular Applications
Anywhere that requires emergency shut off for utilities such as gas, electric, water & air

Fan Control

Features
- Automatically Switches Fan On and Off
- Selectable Power Off Delay To Allow Residual Fumes To Dissipate
- Manual Key Switch Override Of The Fans
- Designed To Work In Conjunction With The Merlin Range Of Utility Systems
- Colored LED Panel States

Popular Applications
Educational Buildings

Audible Alarm Strobes

Features
- Alarm/siren offers 32 selectable sounds and volume control
- Includes high intensity LEDs
- 8 Flash Patterns
- Typical Working Properties Of Polycarbonate Are -40° to 250° F
- Three year guarantee against breakage of polycarbonate in normal use (one year on electro mechanical and electronic components).
- Designed to meet the requirements of IP54.

Popular Applications
Educational Buildings, Boiler/Mechanical Rooms, Chiller Rooms, Warehosue Facilities, Parking Garages, Maintenance Bays, Emergency Service Stations, Data Centers

Ventilation Proving Interlock

Features
- Ensures Mechanical Ventilation Is Running Before Allowing Gas Valve To Open (When Used With AGS Commercial Kitchen Ventilation Interlock System)
- Filter Monitoring
- Low And Over Pressure Monitoring
- Alarm Activation At A Pre-Set Value
- Comes With 40" Ducting Tube And Probe

Popular Applications
Commercial Kitchens

24/7 Programmable Timer

Features
- Program can be repeated on a weekly basis
- Multi-volt operation from 120-277 VAC, 50/60 Hz
- To-the-minute programming for accurate load control and reduced energy costs
- Up to 28 setpoints
- Automatic Daylight Saving Time (DST) ON/OFF adjustment (factory enabled)
- Non-volatile EEPROM memory protects programming indefinitely
- Temporary override or permanent manual override available via control buttons
- 2-circuit models are field (jumper) configurable for: 2 independent outputs, DPST output, or 1 channel ON pulse/OFF pulse output

Popular Applications
Fire Pits, Heaters, Grills, Gas Features

Sensing Cable

Features
- TBC

COMING SOON

Popular Applications
TBC

SOLENOID VALVES

Gas Solenoid Valves

Features
- ✓ Zero Differential
- ✓ 110V/120V ac 50/60HZ
- ✓ Visual Power Indication
- ✓ 0-5 PSI Max Working Pressure
- ✓ ¼" Inlet & Outlet Ports
- ✓ Body: Toughened Die Cast Aluminum
- ✓ Max Temp: 140˚F, Min Temp 5˚F

Other models available, sizes ranging from ½" – 6"

Popular Applications
Science Laboratories, Commercial Kitchens, Boiler/Mechanical Rooms, Gas Feature Control, Emergency Service Stations

Water Solenoid Valves

Features
- ✓ 120VAC, 24VAC or 24VDC Models Available
- ✓ Normally Closed Safety Shut Off
- ✓ UL Listed
- ✓ NSF Approved Lead Free Brass Body
- ✓ Various Models & Pressures Available
- ✓ ½" – 2" NPT Available

Popular Applications
Educational Buildings, Commercial Buildings

General Purpose / Speciality Solenoid Valves

Features
- ✓ 120VAC, 24VAC or 24VDC Models Available
- ✓ Normally Closed Safety Shut Off
- ✓ UL Listed
- ✓ Various Models & Pressures Available
- ✓ ½" – 2" NPT Available

Popular Applications
Any application where non drinkable water or air control is required

SOLENOID VALVE ENCLOSURES

Flush Mount / Wall Mount / Semi-Recessed

Features

- ⊘ Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wall-mount applications.
- ⊘ Hidden hinges and various latching systems
- ⊘ A wide range of sizes and practical accessories available.

Popular Applications
Educational Buildings, Commercial Buildings

Access panels

Features

- ⊘ Material: Up to 16" X 16" - 16 gauge, 18 gauge mounting frame, over 16" X 16" - 14 gauge door, 16 gauge mounting frame
- ⊘ Door: Flush to frame with rounded safety corners
- ⊘ Mounting Frame: One piece outer flange welded to mounting frame
- ⊘ Hinge: Contiuous, concealed
- ⊘ Latch: Stainless Steel screwdriver operated cam latch
- ⊘ Optional Latches/Locks: Cylinder lock and key, allen head cam latch, spanner head cam latch, torx head with security pin
- ⊘ Finish: Steel: 5-stage iron phosphate preparation with prime coat of White alkyd baking enamel OR Stainless Steel: Type 304 - #4 satin polish

Popular Applications
Educational Buildings, Commercial Buildings

TGC ENCLOSURES

TGC Enclosures

Features

- ⊘ Flush or wall mount type available
- ⊘ Polycarbonate cover used to protect AGSTGC without restricting legitimate operation
- ⊘ Provides protection against physical damage, dust, grime and severe environment conditions inside and out
- ⊘ Can be used for indoor or outdoor applications

Popular Applications
Gas Feature Control, Emergency Service Stations

ELECTRICAL CONTROL

Electrical contactors

Features

- 4 pole, normally open relays
- Size S00
- High degree if contact stability at low voltages & current
- Suitable for use with solid-state circuits with currents ≥ 1 mA at a voltage of ≥ 17 V
- Capable of expansion by up to four contacts through use of snap-on auxiliary switch blocks
- Standards: IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1
- Approvals: UL listed / UL listed for Canada

Popular Applications

Educational Buildings, Commercial Buildings

Electrical contactor enclosures

Features

- Various sizes available
- Formed and spot welded from 16 or 14 gauge steel depending on size.
- Formed steel covers close by use of slotted quarter turn latch.
- Full swing door using butt hinges.
- Easily removed knockouts on all 4 sides (see drawings for sizes and locations)
- Through holes in back for wall mounting.
- Grounding location embossed in body.
- Enclosure and cover are finished in ANSI 61 gray powder coating. Type 1 lock kit

Popular Applications

Educational Buildings, Commercial Buildings

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