



Key Features

- Automatic individual control over a single utility
- Clear LED status display
- Built-in connectivity to existing BAS and fire alarms
- Additional external gas detection sensors available
- Key lock for authorization control
- Panel mounted panic button
- Clearly labelled printed circuit board

Overview

The CGS 1000Si utility control panel gives the user complete automatic control over a single utility within the room whilst providing a convenient connection centre for additional systems. The key lock ensures that only authorized personnel can operate the utilities. The emergency panic button is shrouded to ensure no accidental shutdowns occur. All the Merlin utility controls come with clearly labelled PCB boards to ensure easy installation.

Additional gas detection sensors can be wired to the unit for extra safety. Built-in connectivity to existing BAS systems and inputs for existing fire alarms make the unit perfect for renovation projects as well as new build. Dip switches on the reverse side of the facia panel allow for onsite adjustments of various parameters including how the unit communicates with the BAS system and the time-out function.

Application

- K-12 and Higher Ed Science Classrooms.
- Designed to meet NSTA guidelines.
- Isolation of the gas supply in the event of high CO or CO2 concentrations.
- Fire Houses
- Decorative gas powered fire pits.
- Gas BBQ's installations.
- Commercial industrial spaces.
- Automatic isolation of the gas supply upon EM stop or gas detection.



Technical Specifications

Power Supply	110-120vac, 50/60HZ
Protection	Overvoltage, overcurrent, surge protection (3amp)
Enclosure	Wall mounted Fully UL certified enclosure. Flush Mount kit available.
Dimensions	W: 10 1/16" x H: 7 1/16" x D: 3 1/16"
Utility 1 Control Signal Output	110-120vac, 50/60HZ
BAS Output	N/C COM N/O - Max 1A @ 120vac
EM Stop Input	Dry Contact*
Fan Switch Output	Dry Contact*
Sensor Power Output	24VDC
Sensor Signal Input	Volt Free
CO ² Monitor Signal Input	Dry Contact*
Adjustable Time-out period	2 hour, 4 hour, 8 hour or disabled
Adjustable BAS Signal Output	Alarm "on" or Gas "on" / Gas "off"

Wiring Example

