Merlin Utility Control

AGS
AMERICAN GAS SAFETY

Key Features

- Automatic individual control of three utilities
- 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 Merlin 1000SW+i utility control panel gives the user complete automatic individual control over the three utilities 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. Certain utilities can be selected to remain on in the event of an emergency shutdown.

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.

- Decorative gas powered fire pits.
- Gas BBQ's installations.
- Commercial industrial spaces.
- Automatic isolation of the gas supply upon EM stop or gas detection.

Gas Safety Systems　　　　　　　　　　　　　　　　　　　**Utility Control**

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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
Utility 2 Control Signal Output	110-120vac, 50/60HZ
Utility 3 Control Signal Output	110-120vac, 50/60HZ
BAS Output	N/C COM N/O - Max 1A @ 120vac
EM Stop Input	Volt Free*
Fan Switch Output	Volt Free*
Sensor Power Output Sensor Signal Input	24VDC Volt Free
CO² Monitor Signal Input	Volt Free*
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

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