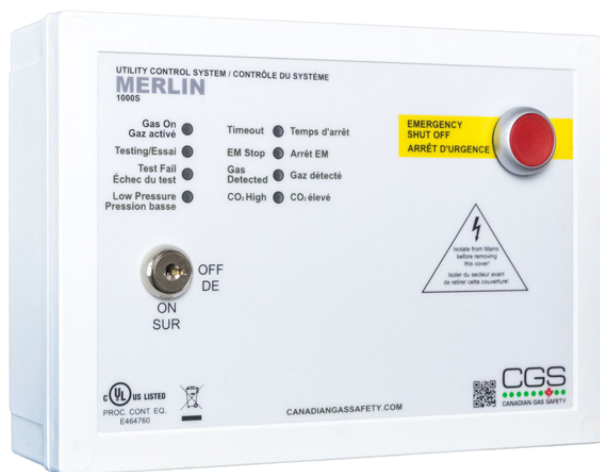




## Features:

- UL 61010 Listed Controller
- Keyed ON/OFF Authority Over Utilities
- Gas Pressure Proving - Low & High Monitoring
- Front Mounted Panic Button For Quick Shutdown
- Clear LEDs Display System Indications
- BMS & Fire Panel connectivity
- Automatic Emergency Utility Shutdown In Alarm
- Automatic Time-Out Feature (Disabled, 2, 4 or 8 hours)

## Product Overview

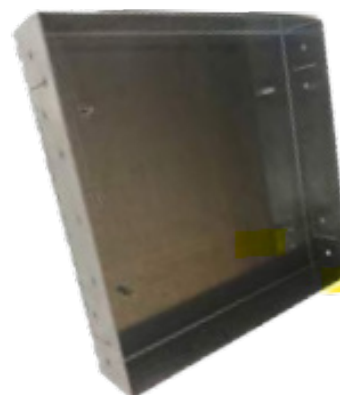
The UL 61010 listed Merlin 1000Si Laboratory Utility Controller has been designed specifically for use in School and University Laboratories. The Merlin 1000Si is designed to give the teacher full control over the incoming gas supply with the lockable key-switch operation. Its built-in connectivity allows for connection to existing fire alarm and building management systems and with its easy-to-use system status panel and labeled PCB the Merlin 1000Si is easy to install and to operate.

The Merlin 1000Si can work in conjunction with carbon dioxide, natural gas, carbon monoxide and LPG sensors. The Merlin 1000Si also has a built-in "timeout" facility which will automatically shut off the gas solenoid valve at the end of a specific time period; this time period can be adjusted to 2, 4, 8 hours or can be overridden if required.

## Popular Applications:

- K-12 and Higher Education Science Classrooms
- Automatic Isolation Of Gas Supply Upon Gas Detection, Fire Alarm or Emergency Panic Button Activation
- Designed to meet NSTA guidelines & ICC Code.
- Keyed Utility Control with Emergency Shutdown

## Flush Mount Kit Available



## Product Specifications

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Model:                            | Merlin 1000Si                              |
| Visual Indication                 | LED                                        |
| Mains Electrical Power Input      | 110-120VAC                                 |
| Gas Valve Output                  | 110-120VAC                                 |
| Current Consumption               | 12W max (50mA) @ 120VAC                    |
| Internal Fuse                     | 3.15A                                      |
| Gas Valve Output                  | 3.15A                                      |
| Operating Temperature             | 32 - 104°F 0-95%RH Non-Condensing          |
| Audible Alarm Buzzer dB           | 65 dB (300mm distance in quiet conditions) |
| Housing Material                  | Polylac PA-765 Flame Retardant             |
| Flame Rating                      | UL 94                                      |
| UL Approval Reference             | UL 61010-1 E464760                         |
| O/All Dimensions (H x W x D) inch | 7.08 x 10 x 3.03"                          |
| Language:                         | English                                    |

## Merlin 1000Si Wiring Example

