

# Lab Utility Controller Submittal Sheet



Project Name: \_\_\_\_\_  
Project Address: \_\_\_\_\_  
Project Engineer: \_\_\_\_\_  
AGS Project Number or Quote Number: \_\_\_\_\_  
Room # / Area #: \_\_\_\_\_  
No. of Units for this Sheet: \_\_\_\_\_



## Utility Control Panel:

UL 61010 3rd Edition.

Number of Master Control Button (MCB) or Outputs.

### With Gas Proving

1000S ( ) Single (gas)  
1000S+ ( ) Dual (gas & service 2)  
1000SW+ ( ) Triple (gas, service 2, service 3)

### Without Pressure Transducer

1000Si ( ) Single  
1000S+i ( ) Dual  
1000SW+i ( ) Triple

## Button Designation

Button 1. \_\_\_\_\_ Button 2. \_\_\_\_\_ Button 3. \_\_\_\_\_

Flush Mount (AGSFMK Flush Mount Kit Required) \_\_\_\_\_ Wall Mount \_\_\_\_\_

Time Out Function: 2 hours \_\_\_\_\_ (Factory Set 2hrs) 4 hours \_\_\_\_\_ 8 hours \_\_\_\_\_ No Time Out Function \_\_\_\_\_

### Gas proving settings (when using Pressure transducer)

Pressure Fill Time: 5 Secs \_\_\_\_\_ (up to 50ft Gas Train) 10Secs \_\_\_\_\_ (>50ft Gas Train)

Pressure Drop Test Time: 30 Secs \_\_\_\_\_ (Factory Set Standard Test) 60Secs \_\_\_\_\_ (More Sensitive Test)

Service On When In Alarm Mode: Button 2 \_\_\_\_\_ Button 3 \_\_\_\_\_ ALL OFF In Alarm Mode \_\_\_\_\_

BMS / BAS Output: Relay Changes State in Alarm Mode \_\_\_\_\_ Or Gas On/ Gas Off \_\_\_\_\_

Auto-Reset Function: On \_\_\_\_\_ Off \_\_\_\_\_

F.A.C.P Interrupt (Fire Alarm Shuts Down Panel via Remote Emergency Stop Circuit) \_\_\_\_\_

Exhaust Fan / Purge Fan Activation in Alarm: Via BMS Relay Output \_\_\_\_\_ Or Interrupt Man Fan Control \_\_\_\_\_

Provide Separate Manual Fan Control Button 1HR Button \_\_\_\_\_ (AGSMANFANT Required)

Provide Purge Fan Relay \_\_\_\_\_ (AGSFS1 Required)

Standard relay will run fan whilst Merlin panel is in alarm

Provide Purge Fan Time Delay 1HR Relay \_\_\_\_\_ (AGSFS1 Required)

Timed delay relay will run purge fan for 1hr after alarm condition



Gas Safety Systems

Utility Control

American Gas Safety, LLC. 4500 140<sup>th</sup> Ave N. Suite 101. Clearwater, FL 33672 T.(727) 608-4375 F.(727) 538-4237 [www.americangassafety.com](http://www.americangassafety.com)

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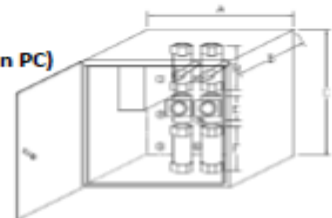


## Solenoid Valve Requirements Per Room/Area:

Type	Size	Qty	Pressures	NC	120vac	Special requirements
Nat Gas			0-2PSI	Yes	Yes	UL Apprvd
CW			2-230PSI	Yes	Yes	NSF 61Apprvd
HW			2-230PSI	Yes	Yes	NSF 61Apprvd
Oxygen			0-200PSI	Yes	Yes	
CA Com-pressed Air			0-200PSI	Yes	Yes	
Vacuum			0-116PSI	Yes	Yes	
Other				Yes	Yes	

## Solenoid Enclosure

☐ Powder Coated    ☐ Stainless Steel  
☐ Wall Mounted    ☐ Semi – Recessed    ☐ Flush Mounted (only Available in PC)  
 Size



\* When selecting enclosure size; number and size of solenoids should be considered. For assistance with selecting enclosure size please contact your local representative or the AGS sales office. All enclosures are NEMA 4, UL 508  
 Items not supplied, possibly required for final assembly include ball valves, in line strainers, conduit, wiring, grommets these items are to be sourced locally and provided by the P.C.

## Electrical Service

E.C. to supply parts per drawing \_\_\_\_\_ P.C. to supply parts per drawing \_\_\_\_\_  
 AGS designed solution \_\_\_\_\_ Engineer designed solution \_\_\_\_\_

## Remote Emergency Shut Off Button:

Red Mushroom Twist Release Type \_\_\_\_\_ Key Lock Re-set \_\_\_\_\_ Flush Mount \_\_\_\_\_  
 Wall Mount(Exposed Conduit) \_\_\_\_\_ Audible Alarm on Shield \_\_\_\_\_  
 Qty Per Room \_\_\_\_\_  
 Room # and Qty if different \_\_\_\_\_

## Gas Detector: (Max #3 Detectors Per Utility Control Panel)

Nat Gas (Methane) AGSNGXS Qty Per Room \_\_\_\_\_  
 CO (Carbon Monoxide) AGSCOXs Qty Per Room \_\_\_\_\_  
 LPG AGSLPGXS Qty Per Room \_\_\_\_\_  
 OD (Oxygen Depletion) AGSNOXS Qty Per Room \_\_\_\_\_

## Additional Accessories or Notes:

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