

**CONFIDENTIAL**

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NAME LA Utility Controller System	TOLERANCE UNLESS SPECIFIED	SCALE	ISIMET	PART NO.
		1:4	MAPA	
FOR	ISIMET Specifications	CAD NUMBER		
	DECIMALS: TWO PLACE ± THREE PLACE ±	REVISION		
	FRACTIONS: ±	A	CREATED DRAWING	BY GY
	ANGLES: ±°	B		CH
	SURFACE TEXTURE ✓	C		EC
		D		DATE
				10/01/2019

**LAv2-HV (120VAC)**

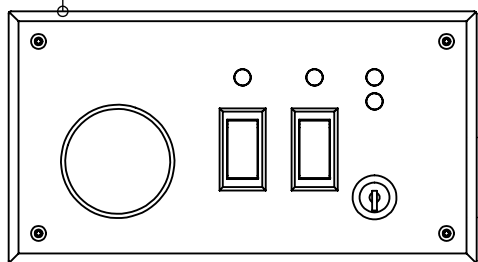
**Inputs (Voltage-Free):**

- Gas Detector (+24VDC Output)
- Carbon Monoxide (+24VDC Output)
- Energy Management System/BMS
- Building Alarm
- Emergency Button
- Fan Interlock

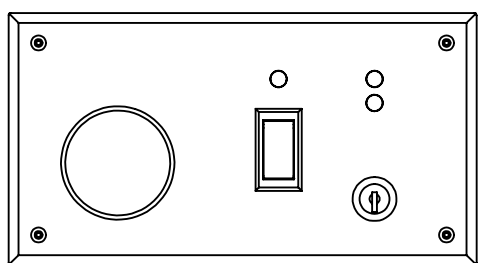
**Outputs:**

- Circuit #1 (120VAC, 2A)
- Circuit #2 (120VAC, 2A)
- Panic (24VDC, 0.25A)
- Panic (Dry-Contact)

Dedicated 120V, 15A

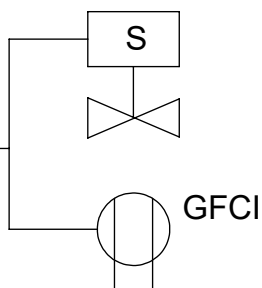


Dual Switches



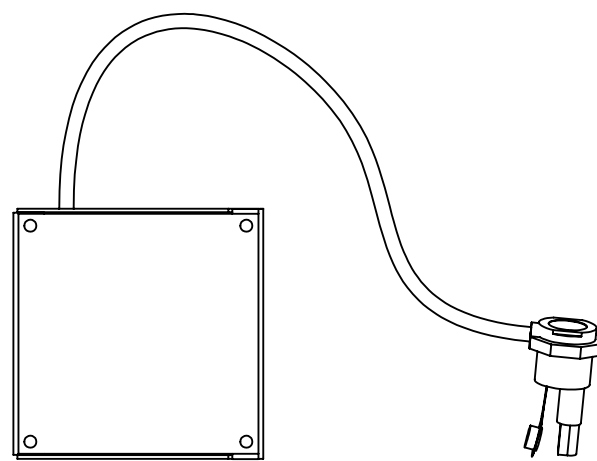
Single Switch

Power Wire @ 120VAC  
(14AWG per NEC NFPA 70)  
Control Wire  
(18AWG/4 per Connection)



**OPTIONAL**

Attaches to Emergency Shower and asserts panic upon detecting water flow.  
Recommend installation of water hammer/shock arrester/arrestor.



ISIMET Emergency Shower Monitor

**LAv2-LV (24VDC)**

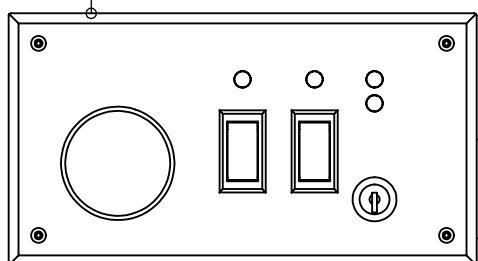
**Inputs (Voltage-Free):**

- Gas Detector (+24VDC Output)
- Carbon Monoxide (+24VDC Output)
- Energy Management System/BMS
- Building Alarm
- Emergency Button
- Fan Interlock

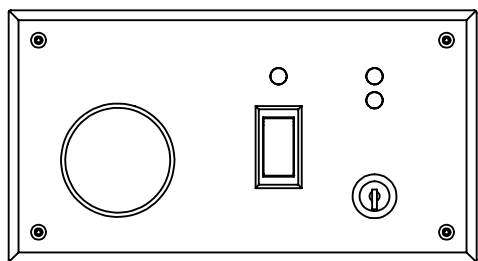
**Outputs:**

- Circuit #1 (24VDC, 1.25A)
- Circuit #2 (24VDC, 1.25A)
- Panic (24VDC, 0.25A)
- Panic (Dry-Contact)

Dedicated 120V, 15A



Dual Switches



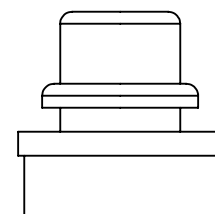
Single Switch

Power Wire @ 24VAC  
(18AWG/4)  
Control Wire  
(18AWG/4 per Connection)

Relay  
(Controls Electrical Contactor)

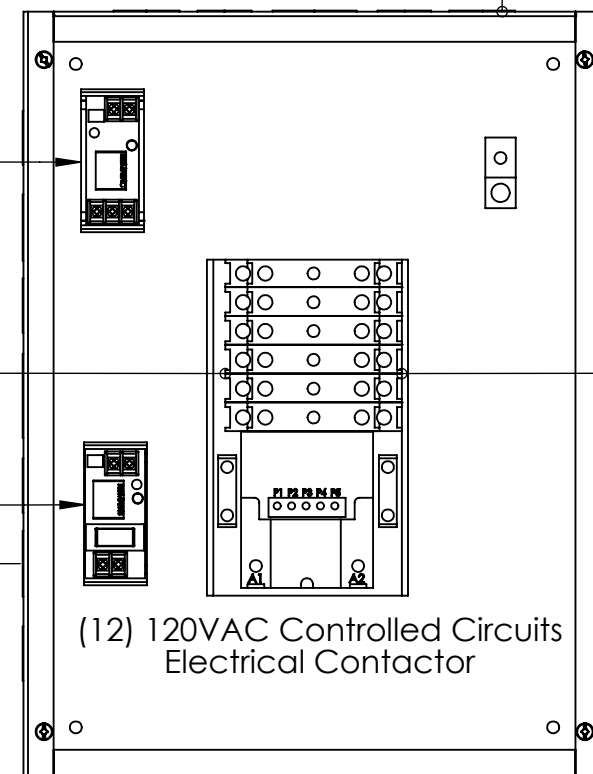
Relay  
(Controls 120V Exhaust Fan)

Exhaust Fan  
(Not provided by ISIMET)



**OPTIONAL**

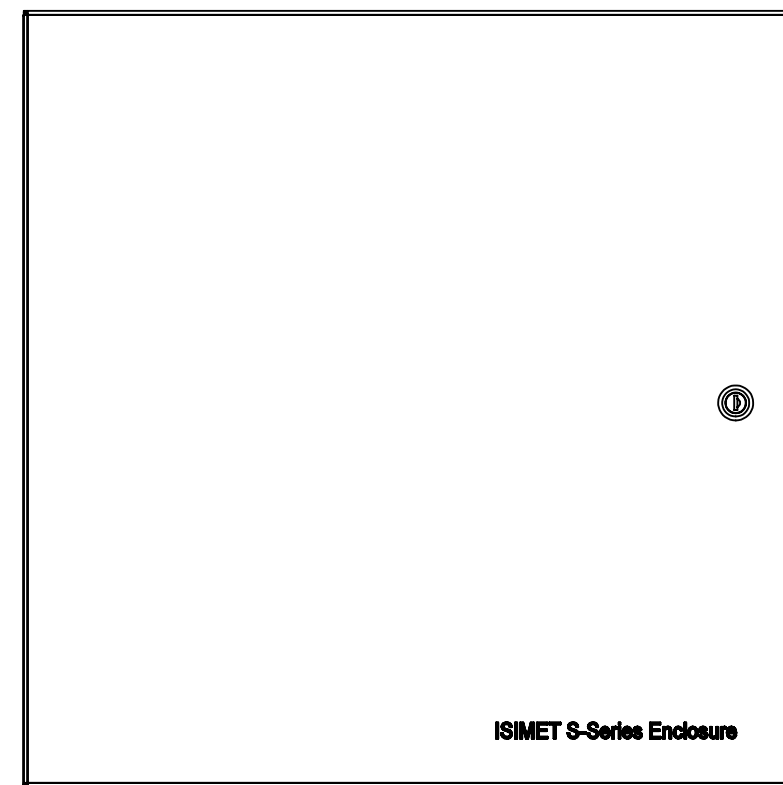
Dedicated 120V, 15A  
Electrical Contactor



ISIMET E-Series

- (1) Electrical Contactor (12 Circuits)
- (1) Relay for Exhaust Fan
- (1) 24VAC Relay for Electrical Contactor
- (1) Ground Lug

**OPTIONAL**



ISIMET S-Series\*

\*Scale: 1:6

Includes any of the following:

- Gas Solenoid(s)
- Water Solenoid(s)
- Unions and Y-Strainers
- Ball Valves
- Shock Arrestor

**OPTIONAL**

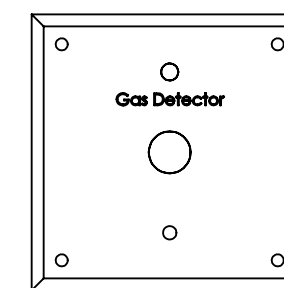
Detects leaks in gas  
line prior to startup.



Gas Pressure Transmitter  
(Installed in S-Series)

**OPTIONAL**

Adjustable PPM Gas Detector.

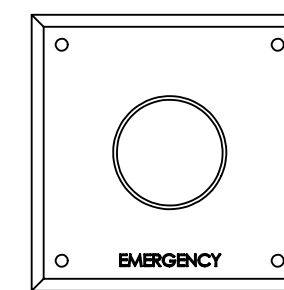


ISIMET Fuel Gas Sensor (FGS)

**OPTIONAL**

N/O Panic Button

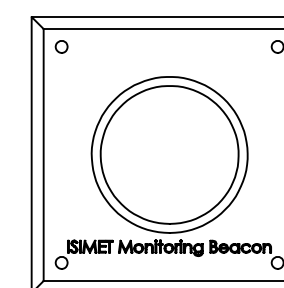
Multiples can be installed and wired in parallel.



ISIMET Panic Button (IPO)

**OPTIONAL**

Monitor Beacon will flash upon Local Emergency.



ISIMET Monitor Beacon

E:\ISIMET-MAPA\ISIMET Product Development\ISIMET Drawings\LA2 Engineering Drawing