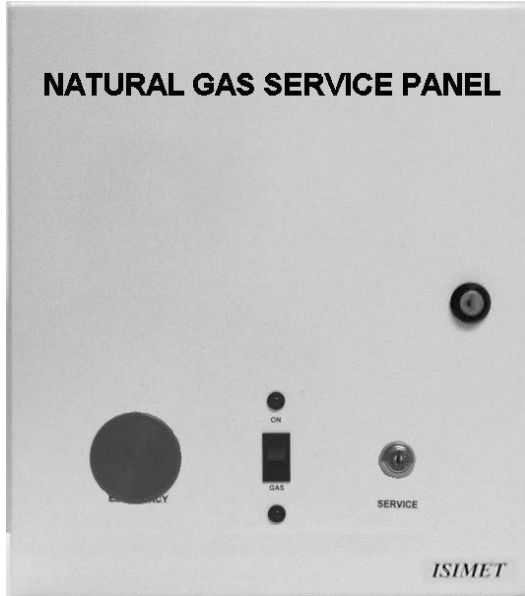


ISIMET Laboratory Service Panels



White Powder Coat Door Panel Shown



Natural Gas Solenoid Assembly Shown

ENCLOSED INDUSTRIAL CONTROL PANEL NO. E-258342
Meets all Standard for Canadian Industrial Control Panels



Application:

The *ISIMET* Laboratory Service Panel operates as a single output controller incorporating either a solenoid valve assembly or electrical contacts along with the digital switching mechanism within a single enclosure. An internal junction box houses the 120-vac line voltage along with transformer and circuit board. The unit conforms to all requirements of UL 508-A for Industrial Control Panels.

Variations:

Variations of the LSP unit are available providing that all design criteria complies with 508-A standards. Though shown as an operator for a single output circuit to control a utility service, many alternate uses are obtainable. Specific requirement of alternate designs is that the completed unit's function conforms to usage criteria for 508-A, and that all components incorporated into the unit meet specific requirements and standards of 508-A.

Master Controller:

Combining the time sequencing and master operator features of the *ISIMET* Integration Interrupt Time Control Device – ITC, the Service Panel can perform the Master in a Slave-to-Master Operating Environment. Incorporating *ISIMET* Remote Operators with individual 120-vac solenoids at each laboratory with the Service Panel in a central location offers an ideal solution to facility management of large research facilities where the control criteria for utilities is less demanding than that of the typical public school laboratory.

Custom Assemblies:

The LSP can be utilized as a Lead-Lag Controller, a Pump Discharge Controller, or an equipment or machine operator. The design of this unit specifically addresses “manual restart after power failure” conditions. Consult a factory representative to verify if your product needs conform to 508-A.

Product Specifications:

Enclosure dimensions are 16X14X6 – 18X18X6

Available in 24X24X6 - Custom assembly for multi valve assemblies and larger sized piping up to 2”.

(LSP units also permit horizontal configuration of valve assembly)

Electrical Specifications:

Style	# Output Circuits	Output Rating	Transformer	Relay Rating
LSP	1	1.5 amp @ 24 vac	2 amp @ 25VCT	1 @ 1.5 amp @ 24 vac
LSP	2	1.5 amp @ 24 vac	3 amp @ 25VCT *	2 @ 1.5 amp @ 24 vac
LSP	Custom	1.5 amp @ 24 vac	3 or 4 amp @ 25VCT *	1.5 amp MAX.
LSP	Custom-3"	1.5 amp @ 120 vac	1 amp @ 25VCT	1.5 amp MAX.

Enclosure Features:

Door Lock – All units are provided with a key door lock

Operation - Key Switch - Momentary switch for an “ON” Cycle

Control Switch – Activates the output circuit with keying for “ON”.

Push Button Switch - Momentary contacts disengage the system requiring re-keying to active “ON”.

Alarm & “ems” Input- Standard on all models.

Panic Notification – The unit is equipped with two “Panic” output circuits that can be utilized as a notification signal to an alarm system. One Circuit can be field configured as a dry-contact or as 24-vac output. Second circuit is standard dry-contact configuration.

LED Indicators – A Green “ON” or active LED illuminates with service “ON”, A lower Red LED indicates that “Panic” has interrupted service and the notification circuit is active.

Standard Units are Flush Mounted W/ White Powder Coat Door

Valve assemblies utilizing General Service Solenoids are non-lead free but are optionally available as lead free assemblies.

Dual Output Circuit Option:

The unit is available as a dual output system where the second output controls a 24-vac device that is remote of the Service Panel.

LS-Line Of Sight: The RF Module can be integrated into the operating function of the 4.4 version pcb.

Door Panel Labeling:

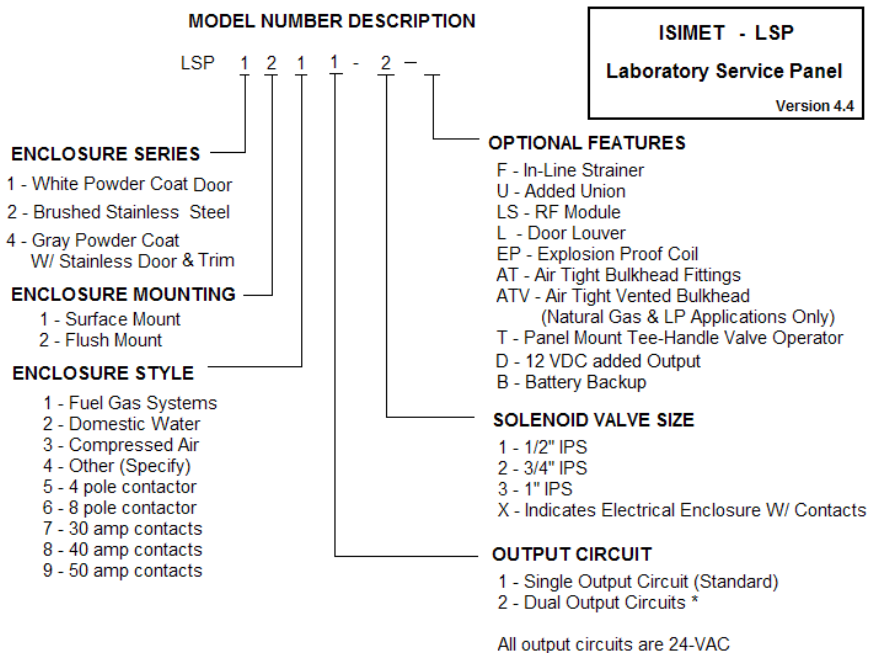
Single Output Solenoid Systems are label per Enclosure Style ie. “**NATURAL GAS SERVICE PANEL**”

Electrical Panels are labeled per amp rating of contacts ie. “**30 AMP ELECTRICAL SERVICE PANEL**”

Dual Output Systems may be labeled “**LABORATORY SERVICE PANEL**” (Standard).

Custom labeling for specific applications is available.

UL: Product is in compliance with the Industrial Control Panels, UL 508A Standard. Not available for all units where specific application does not conform to UL-508A criteria.



Field Configurable Notification Output Circuit is Standard on all systems

* Second Output Circuit is intended for operation of a remotely located 24-VAC device