

***ISIMET* Supplemental Piping & Installation Instructions**

Provide this document to the installer of the solenoid valves or S-Series Enclosures.

All *ISIMET* Applications use Aluminum Body normally closed solenoids that are zero differential for all Fuel Gas Systems and General Service N/C Brass Constructed Solenoids for all other Systems. If solenoids other than those provided by *ISIMET* are used in the application, *ISIMET* STRONGLY recommends that only this type of solenoid be provided. Additionally, operating power for the solenoid must be provided from sources other than the Utility Controller or a Project Specific *ISIMET* Compliance Certificate must be issued.

(24-vac Solenoids - Provide transformer independent from Utility Controller) *

(120-vac Solenoids - Provide from sources other than Utility Controller circuit)+

* where no "Project Specific Compliance Certificate" has been issued.

+ LA Series Controllers may be configured for 120-vac output.

General Service Solenoids: Where adverse or harsh operating conditions exists in the water system such as the presence of hard water, then it is recommended that only stainless steel valves be utilized and that an extensive routine operating and maintenance program be developed by the end user to counter the effects of these conditions. Where operation of water containing corrosive agents, exotic or harsh mediums are intended for control by solenoid then verify application prior to installation. *ISIMET* cannot warrant against the effects of hard water, corrosive agents, contaminants, or debris present in the piping system or against effects of exotic or harsh substances. If specific operating conditions are in doubt, contact *ISIMET* prior to installation.

IMPORTANT NOTICE! Solenoids should be operated by a single Utility Control device. Attempts to control from a multiple controller will cause failure of the system and void the warranty. DO NOT connect an output circuit from more than one controller to a single solenoid.

DO NOT connect coils other than as specified for use with the *ISIMET* Control Unit.

Installer MUST provide an in-line fuse (1.5 amp MAX.) per output circuit where solenoids are provided from other sources.

Installer must submit a Compliance Statement (page 2) and receive *ISIMET* approval prior to start-up of Control System.

Caution !!! The use of other types of solenoids or non-compliance with these recommendations may cause the system to malfunction and may void the warranty of the Utility Controller.

Notice: All recommended installation and testing procedures should be followed. All piping systems should be thoroughly tested and cleaned (including fuel gas delivery systems) of all foreign matter and debris prior to placing the enclosure into service. The piping joints within an S-Series enclosure should be tested to assure tight connections. Solenoid valves and/or assemblies should not be installed so that the coil is in an inverted position. Where mounted in ceiling spaces, solenoids should be readily accessible with no obstructions preventing access. Piping systems should be thoroughly flushed and tested prior to placing the unit into operation. If systems are operated without proper flushing, the solenoid diaphragm may become fouled and may not close properly when solenoid coil is disengaged. Fluid delivery systems should be provided with shock arrestors and in-line strainers. Where S-Series enclosures are not specified with integral in-line strainers, then one should be field provided.

ISIMET Compliance Application –

Where Solenoids are provided from other sources

Project Name _____ ISIMET Project # _____

Installer _____ Fax # (____) _____ -

Solenoid Proposed to use with ISIMET Control System:

Solenoid # 1 Manufacturer _____ IP Size _____ Model # _____

Coil Voltage _____ Amps In-Rush _____ Amps Holding _____

Solenoid # 2 Manufacturer _____ IP Size _____ Model # _____

Coil Voltage _____ Amps In-Rush _____ Amps Holding _____

Solenoid # 3 Manufacturer _____ IP Size _____ Model # _____

Coil Voltage _____ Amps In-Rush _____ Amps Holding _____

Service _____ - Qty of Solenoids at Circuit # _____ * _____ (amp holding per coil) = _____ total per circuit

Service _____ - Qty of Solenoids at Circuit # _____ * _____ (amp holding per coil) = _____ total per circuit

Service _____ - Qty of Solenoids at Circuit # _____ * _____ (amp holding per coil) = _____ total per circuit

Total amp load _____

In-Line fuse (1.5 amp MAX.) is included in the circuitry of all circuits operating solenoids. **YES** **NO**

Notice:

This Compliance Application must be completed and faxed to ISIMET for all applications where solenoids are provided from sources other than ISIMET prior to start-up of the system. Product literature showing compliance with ISIMET specifications and statements above should accompany this application. (Highlight and mark applicable information.) Allow two (2) weeks for review.

Submitted by : _____ Date _____

ISIMET Compliance Certification:

Upon review of the technical specifications submitted per this project, ISIMET certifies that the solenoid submitted for approved use with the ISIMET Control System **DO** **Do Not** meet application requirements and therefore **MAY** **May Not** be used on this system.

Comments:

ISIMET: _____ Date _____

ISIMET 103 C. J. Wise Pkwy Naples, TX 75568 (903) 897-0737 (903) 897-0740 fax