

Installation Procedure Supplement

Manual 26873 (Revision NEW, 5/2015) Swift™ Safety Shutoff and Gas Metering Valve



See manual 26350 for complete installation, operation, maintenance, and certification information. Publications can be found on our website at www.woodward.com/publications.

Important Definitions



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

- DANGER—Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- WARNING—Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- CAUTION—Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- NOTICE—Indicates a hazard that could result in property damage only (including damage to the control).
- **IMPORTANT**—Designates an operating tip or maintenance suggestion.



The engine, turbine, or other type of prime mover should be equipped with an overspeed shutdown device to protect against runaway or damage to the prime mover with possible personal injury, loss of life, or property damage.

The overspeed shutdown device must be totally independent of the prime mover control system. An overtemperature or overpressure shutdown device may also be needed for safety, as appropriate.



Read this entire manual and all other publications pertaining to the work to be performed before installing, operating, or servicing this equipment. Practice all plant and safety instructions and precautions. Failure to follow instructions can cause personal injury and/or property damage.



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Any unauthorized modifications to or use of this equipment outside its specified mechanical, electrical, or other operating limits may cause personal injury and/or property damage, including damage to the equipment. Any such unauthorized modifications: (i) constitute "misuse" and/or "negligence" within the meaning of the product warranty thereby excluding warranty coverage for any resulting damage, and (ii) invalidate product certifications or listings.



To prevent damage to a control system that uses an alternator or battery-charging device, make sure the charging device is turned off before disconnecting the battery from the system.

NOTICE

To prevent damage to electronic components caused by improper handling, read and observe the precautions in Woodward manual 82715, Guide for Handling and Protection of Electronic Controls, Printed Circuit Boards, and Modules.

Go to www.woodward.com/publications for complete instructions (manual 26350).

Replacement/Exchange: Replacement/Exchange is a premium program designed for the user who is in need of immediate service. It allows you to request and receive a like-new replacement unit in minimum time (usually within 24 hours of the request), providing a suitable unit is available at the time of the request, thereby minimizing costly downtime.

This option allows you to call your Full-Service Distributor in the event of an unexpected outage, or in advance of a scheduled outage, to request a replacement control unit. If the unit is available at the time of the call, it can usually be shipped out within 24 hours. You replace your field control unit with the like-new replacement and return the field unit to the Full-Service Distributor.

Flat Rate Repair: Flat Rate Repair is available for many of the standard mechanical products and some of the electronic products in the field. This program offers you repair service for your products with the advantage of knowing in advance what the cost will be.

Flat Rate Remanufacture: Flat Rate Remanufacture is very similar to the Flat Rate Repair option, with the exception that the unit will be returned to you in "like-new" condition. This option is applicable to mechanical products only.

Returning Equipment for Repair

If a control (or any part of an electronic control) is to be returned for repair, please contact your Full-Service Distributor in advance to obtain Return Authorization and shipping instructions.

When shipping the item(s), attach a tag with the following information:

- return number;
- name and phone number of contact person;
- description of the problem;

- name and location where the control is installed;
- complete Woodward part number(s) and serial number(s);
- instructions describing the desired type of repair.

Contacting Woodward's Support Organization

For the name of your nearest Woodward Full-Service Distributor or service facility, please consult our worldwide directory published at www.woodward.com/directory.

You can also contact the Woodward Customer Service Department at one of the following Woodward facilities to obtain the address and phone number of the nearest facility at which you can obtain information and service.

Products Used In Electrical Power Systems	Products Used In Engine Systems	Products Used In Industrial Turbomachinery Systems
FacilityPhone Number	FacilityPhone Number	FacilityPhone Number
Brazil+55 (19) 3708 4800	Brazil+55 (19) 3708 4800	Brazil+55 (19) 3708 4800
China+86 (512) 6762 6727	China+86 (512) 6762 6727	China+86 (512) 6762 6727
Germany:	Germany +49 (711) 78954-510	India+91 (129) 4097100
Kempen +49 (0) 21 52 14 51	India+91 (129) 4097100	Japan+81 (43) 213-2191
Stuttgart - +49 (711) 78954-510	Japan+81 (43) 213-2191	Korea+82 (51) 636-7080
India+91 (129) 4097100	Korea+82 (51) 636-7080	The Netherlands+31 (23) 5661111
Japan+81 (43) 213-2191	The Netherlands+31 (23) 5661111	Poland+48 12 295 13 00
Korea+82 (51) 636-7080	United States+1 (970) 482-5811	United States+1 (970) 482-5811
Poland+48 12 295 13 00		
United States+1 (970) 482-5811		

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Email and Website—www.woodward.com

Regulatory Compliance & Declarations

European Compliance for CE Mark:

ATEX – Potentially Declared to 94/9/EC COUNCIL DIRECTIVE of 23

Explosive March 1994 on the approximation of the laws of the

Atmospheres Member States concerning equipment and

Directive: protective systems intended for use in potentially explosive atmospheres.

Zone 2, Category 3, Group II G, EEx nA II T3 X

Other European and International Compliance:

Compliance with the following European Directives or standards does not qualify this product for application of the CE Marking:

EMC Directive: Not applicable to this product. Electromagnetically passive devices are

excluded from the scope of the 2004/108/EC Directive.

Machinery Directive: Compliant as a safety component with 98/37/EC COUNCIL DIRECTIVE of

23 July 1998 on the approximation of the laws of the Member States relating

to machinery.

Pressure Equipment Compliant as "SEP" per Article 3.3 to Pressure

Directive: Equipment Directive 97/23/EC of 29 May 1997 on the approximation of the

laws of the Member States concerning pressure equipment.

North American Compliance:

UL: UL Listed for Class I, Division 2, Groups A, B, C, & D, T3C at 70 °C Ambient.

For use in Canada and the United States.

UL File E300556

This product is certified as a component for use in other equipment. The final combination, including grounding, is subject to acceptance by the authority having jurisdiction or local inspection. This equipment is suitable for use in Zone 2, Category 3 or Class I, Division 2, Groups A, B, C, D or non-hazardous locations only.

Special Conditions for Safe Use:

Valves are intended only for connection to an NEC/CEC Class 2 or limited voltage/limited current power source.

Wiring must be in accordance with North American Class I, Division 2, or European Zone 2, Category 3 wiring methods as applicable, and in accordance with the authority having jurisdiction.

Do not plug the drain connection; it must be routed to a suitable location.

Field Wiring must be suitable for at least 90 °C and a minimum of 10 °C above ambient.

Connect ground terminal to earth ground.

The Swift™ valve must be mounted inside an enclosure that will reduce the risk of mechanical danger; the valve meets low risk impact requirements per EN60079-0.

The control system supplied by the customer must meet Machinery Directive safety shutoff valve requirements if the product is used as a safety valve in EU installations.



EXPLOSION HAZARD—Do not remove covers or connect/disconnect electrical connectors unless power has been switched off or the area is known to be non-hazardous.

Substitution of components may impair suitability for Class I, Division 2 or Zone 2.



RISQUE D'EXPLOSION—Ne pas enlever les couvercles, ni raccorder / débrancher les prises électriques, sans vous en assurez auparavant que le système a bien été mis hors tension; ou que vous vous situez bien dans une zone non explosive.

La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2 et/ou Zone 2.

DECLARATION OF CONFORMITY

Manufacturer's Name: WOODWARD GOVERNOR COMPANY (WGC)

Industrial Controls Group

Manufacturer's Address: 1000 E. Drake Rd.

Fort Collins, CO, USA, 80525

Model Name(s)/Number(s): Swift Safety Shutoff and Metering Valves (SSV GMV)

9906-356 and similar

Conformance to Directive(s): 94/9/EC COUNCIL DIRECTIVE of 23 March 1994 on the

approximation of the laws of the Member States concerning

equipment and protective systems intended for use in

potentially explosive atmospheres

98/37/EC Council Directive of 22 June 1998 on the approximation of the laws of the Member States relating to

machinery

Marking(s): Category 3 Group II G, EEx nA II T3

Applicable Standards: EN60079-15: 2003: Electrical apparatus for explosive gas

atmospheres - Part 15: Type of protection 'n'

EN 12100 –1:2003: Safety of Machinery – Basic Concepts, General Principles For Design – Part 1: Basic Terminology,

Methodology

EN 12100-2:2003: Safety of Machinery – Basic Concepts, General Principles For Design – Part 2: Technical principles

Conformity Assessment: ATEX Production Quality Assessment, ITS05ATEXQ4211

Notified Body Intertek (0359)

For ATEX: Intertek House, Cleeve Road

Leatherhead, Surrey, KT22 7SB UK

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s).

MANUFACTURER

Signature

Dan Gear

Full Name

Engineering Manager

Position

WGC, Fort Collins, CO, USA

Place

Date

5-09-1183 Rev 10, 15-Jul-05

00171-04-EU-02-03