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.

**WARNING**

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.

This publication may have been revised or updated since this copy was produced. To verify that you have the latest revision, check manual 26455, *Customer Publication Cross Reference and Revision Status & Distribution Restrictions*, on the publications page of the Woodward website: [www.woodward.com/publications](http://www.woodward.com/publications)

The latest version of most publications is available on the publications page. If your publication is not there, please contact your customer service representative to get the latest copy.

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.

**NOTICE**

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*.
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](http://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

<table>
<thead>
<tr>
<th>Facility</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Brazil</td>
<td>+55 (19) 3708 4800</td>
</tr>
<tr>
<td>China</td>
<td>+86 (512) 6762 6727</td>
</tr>
<tr>
<td>Germany:</td>
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</tr>
<tr>
<td>Kempen</td>
<td>+49 (0) 21 52 14 51</td>
</tr>
<tr>
<td>Stuttgart</td>
<td>+49 (711) 78954-510</td>
</tr>
<tr>
<td>India</td>
<td>+91 (129) 4097100</td>
</tr>
<tr>
<td>Japan</td>
<td>+81 (43) 213-2191</td>
</tr>
<tr>
<td>Korea</td>
<td>+82 (51) 636-7080</td>
</tr>
<tr>
<td>Poland</td>
<td>+48 12 295 13 00</td>
</tr>
<tr>
<td>United States</td>
<td>+1 (970) 482-5811</td>
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</tbody>
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### Products Used In Engine Systems

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</tr>
<tr>
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<td>+31 (23) 566111</td>
</tr>
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</tr>
<tr>
<td>United States</td>
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</tbody>
</table>

### Products Used In Industrial Turbomachinery Systems

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European Compliance for CE Marking:
These listings are limited only to those units bearing the CE Marking:


These listings are limited only to those units bearing the ATEX markings as well as the CE Mark:


\[-40 \, ^\circ C \leq T_{amb} \leq +105 \, ^\circ C, \text{ IP56}\]

Special Condition for Safe Use: The installer of the L-series must take responsibility for meeting Sub-Clause 26.3.3.1 of EN60079-15:2003 regarding impact testing. The actuator by itself does not meet this requirement and therefore must be sufficiently protected when installed. See Chapter 2, Mechanical Installation, for more details.

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


Pressure Equipment Directive: Exempt per Article 1-3.10

North American Compliance:
These listings are limited only to those units bearing the CSA identification


This product is certified as a component for use in other equipment. The final combination is subject to acceptance by the authority having jurisdiction.

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.

Field wiring must be suitable for at least 105 °C.

Connect ground terminal to earth ground.

The actuator should be protected from exposure to sunlight and rain.
EXPLOSION HAZARD—Do not connect or disconnect while circuit is live unless area is known to be non-hazardous.

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

Do not clean equipment unless power has been switched off or the area is known to be non-hazardous.

RISQUE D’EXPLOSION—Ne pas raccorder ni débrancher tant que l’installation est sous tension, sauf en cas l’ambiance est décidément non dangereuse.

La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, applications Division 2 ou Zone 2.
DECLARATION OF CONFORMITY
According to EN 45014

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): L-Series
8404-xxxx and similar

Conformance to Directive(s): 89/336/EEC COUNCIL DIRECTIVE of 03 May 1989 on the approximation of the laws of the Member States relating to electromagnetic compatibility and all applicable amendments.

Units marked and conforming to ATEX conform to Directive: 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

Markings on units conforming to ATEX: II 3 G, EEx nA II T3X, IP56


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

2/17/06
Declaration of Incorporation

Woodward Governor Company
1000 E. Drake Road
Fort Collins, Colorado 80525
United States of America

Product: L-Series Actuator
Part Number: 6300-1005 and similar

The undersigned hereby declares, on behalf of Woodward Governor Company of Loveland and Fort Collins, Colorado, that the above-referenced product is in conformity with the following EU Directives as they apply to a component:

98/37/EEC (Machinery)

This product is intended to be put into service only upon incorporation into an apparatus/system that itself will meet the requirements of the above Directives and bears the CE mark.

MANUFACTURER

Signature
James D. Rudolph

Full Name
Engineering Manager

Position
WGC, Fort Collins, CO, USA

Place

Date

11/07/07