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.

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**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.

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**WARNING**

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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**WARNING**

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.

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**WARNING**

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.

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**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.

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**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.

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.

<table>
<thead>
<tr>
<th>Products Used In</th>
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<th>Products Used In</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Power Systems</strong></td>
<td><strong>Engine Systems</strong></td>
<td><strong>Industrial Turbomachinery Systems</strong></td>
</tr>
<tr>
<td><strong>Facility</strong></td>
<td><strong>Phone Number</strong></td>
<td><strong>Facility</strong></td>
</tr>
<tr>
<td>Brazil</td>
<td>+55 (19) 3708 4800</td>
<td>Brazil</td>
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<tr>
<td>China</td>
<td>+86 (512) 6762 6727</td>
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<tr>
<td>Germany: Kempen</td>
<td>+49 (0) 21 52 14 51</td>
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<tr>
<td>Stuttgart</td>
<td>+49 (711) 78954-510</td>
<td>Japan</td>
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<td>India</td>
<td>+91 (129) 4097100</td>
<td>The Netherlands</td>
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<td>+82 (51) 636-7080</td>
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<tr>
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European Compliance for CE Marking


**Low Voltage Directive:** Declared to 2006/95/EC COUNCIL DIRECTIVE of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. (Non Explosive Atmospheres)


Other European Compliance

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


North American Compliance

**CSA:** Certified for Class I, Division 2, Groups A, B, C, and D, T4 at 60 °C Ambient for use in the United States and Canada. Certificate 160584-2217246

Other International Compliance


**TÜV:** TÜV certified for SIL-3 per IEC 61508 Parts 1-7, Functional Safety of Electrical / Electronic / Programmable Electronic Safety Related Systems.

**GOST R:** Certified for use in explosive atmospheres within the Russian Federation per GOST R Certificate P0CC US.ГБ04.Б01594 with marking ExnAIICT4GcX.

Other Compliance

**Gas Corrosion Protection:** IEC60068-2-60:1995 Part 2.60 Methods 1 and 4 (conformal coating)

**Machinery Protection:** API670, API612, & API-611 compliant
Special Conditions for Safe Use

This Equipment is Suitable for use in Class I, Division 2, Groups A, B, C, D or Non Hazardous Locations Only.

This equipment is suitable for use in European Zone 2, Group IIC environments or Non Hazardous Locations Only.

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.

A fixed wiring installation is required and a switch or circuit breaker shall be included in the building installation that is in close proximity to the equipment and within easy reach of the operator and that is clearly marked as the disconnecting device for the equipment. The switch or circuit breaker shall not interrupt the protective earth conductor.

Protective Earth Grounding is required by the input PE terminal.

Field wiring must be rated at least 85 °C for operating ambient temperatures expected to exceed 50 °C.

For European ATEX compliance on panel mount models, this equipment must be installed in an area providing adequate protection against the entry of dust or water. A minimum ingress protection rating of IP54 is required for the enclosure.

Personnel must discharge their electrostatic build up to the cabinet ground point or use an ESD strap prior to touching the ProTech interior surfaces if the engine/turbine is operational. The unit is designed to have one of three modules be removed during operation; however ESD to the remaining operational modules may cause signal deviations. Signal deviations due to direct ESD may be large enough to result in the operational module to trip, shutting down the engine since two modules are in a tripped mode.

Signal deviations were noted when ESD testing was done to the Speed pins, the IRIG-B pins, Service Port pins, and RS-232/RS-485 Modbus communications port pins.

**WARNING** Do not remove module unless module is de-energized and all wire connections have been disconnected

The Service Port (RS-232 communication) is not designed to remain connected during operation except at servicing and programming intervals. It should not have a cable connected to it other than during programming and servicing.

This device contains a single cell primary battery. This battery is not to be charged and is not customer replaceable.

Control is suitable for installation in pollution degree 2 environments.
Measurement inputs are classified as permanently connected IEC measurement Category I and are designed to safely withstand occasional transient overvoltages up to 1260 Vpk. To avoid the danger of electric shock, do not use these inputs to make measurements within measurement categories II, III, or IV.

**WARNING**

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.

**AVERTISSEMENT**

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

<table>
<thead>
<tr>
<th>Manufacturer's Name:</th>
<th>WOODWARD GOVERNOR COMPANY (WGC)</th>
</tr>
</thead>
</table>
| Manufacturer's Address: | 1000 E. Drake Rd.  
Fort Collins, CO, USA, 80525 |
| Model Name(s)/Number(s): | ProTech®-GIII, ProTech® TPS, and the MicroNet® Safety Module |
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  
2006/95/EC COUNCIL DIRECTIVE of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. |
| Marking(s): | Category 3 Group II G, Ex nA IIC T4 X |
| Applicable Standards: | EN61000-6-2, 2005: EMC Part 6-2: Generic Standards  
EN61000-6-4, 2007: EMC Part 6-4: Generic Standards - Emissions for Industrial Environments  
EN60079-15, 2005: Electrical apparatus for explosive gas atmospheres – Part 15: Type of protection ‘n’  
EN60079-0, 2004: Electrical apparatus for explosive gas atmospheres – Part 0: General requirements  
EN61010-1, 2001: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1:General Requirements |

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

**MANUFACTURER**

\[Signature\]

Suhail Horan

**Full Name**

Quality Manager

**Position**

WGC, Fort Collins, CO, USA

**Place**

\[Date\]

05/17/2010

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