

**Manual 26800 (Revision C, 6/2016)  
ProAct™ Analog Electric Actuator with Integral Driver**

See manual 26147 for complete installation, operation, maintenance, and certification information. Publications can be found on our website at [www.woodward.com/publications](http://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.

 **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*.

Go to [www.woodward.com/publications](http://www.woodward.com/publications) for complete instructions (manual 26147).

**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		Products Used In Engine Systems		Products Used In Industrial Turbomachinery Systems	
<u>Facility</u> -----	<u>Phone Number</u>	<u>Facility</u> -----	<u>Phone Number</u>	<u>Facility</u> -----	<u>Phone Number</u>
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				

# Regulatory Compliance & Declarations

## European Compliance for CE Mark:

These listings are limited only to those units bearing the CE Marking.

**EMC Directive:** Declared to Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (EMC)

## Other European Compliance:

**Machinery Directive:** Compliant as partly completed machinery with Directive 2006/42/EC of the European Parliament and the Council of 17 May 2006 on machinery.

## North American Compliance:

**CSA:** CSA Certified for Class I, Division 2, Groups A, B, C, & D, T3 at 74 °C Ambient. For use in Canada and the United States. This product is certified as a component for use in other equipment. The final combination is subject to acceptance by CSA International or local inspection.  
Certificate 1167451

**IMPORTANT**

**Jumpers should not be moved or changed unless power has been switched off.**

## General Installation and Operation Notes and Requirements:

The ProAct Analog is suitable for use in Class I, Division 2, Groups A, B, C, and D per CSA for Canada and US or non-hazardous locations only.

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

Field Wiring must be suitable for at least 85 °C.

These listings are limited only to those units bearing the CSA agency identification.

Compliance with the Machinery Directive 2006/42/EC noise measurement and mitigation requirements is the responsibility of the manufacturer of the machinery into which this product is incorporated.

**WARNING**

**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**

**AVERTISSEMENT**

**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.**

**DECLARATION OF CONFORMITY**

**EU DoC No.:** 00130-04-CE-02-02  
**Manufacturer's Name:** WOODWARD, INC.  
**Manufacturer's Contact Address:** 3800 Wilson Avenue  
Loveland, CO 80538 USA  
**Model Name(s)/Number(s):** ProAct Analog Actuator  
**The object of the declaration described above is in conformity with the following relevant Union harmonization legislation:** Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (EMC)  
**Applicable Standards:** EN61000-6-4, 2011: EMC Part 6-4: Generic Standards - Emissions for Industrial Environments  
EN61000-6-2, 2005: EMC Part 6-2: Generic Standards - Immunity for Industrial Environments

This declaration of conformity is issued under the sole responsibility of the manufacturer.  
We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s).

**MANUFACTURER**



\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
Christopher Perkins

\_\_\_\_\_  
**Full Name**

\_\_\_\_\_  
Engineering Manager

\_\_\_\_\_  
**Position**

\_\_\_\_\_  
Woodward, Fort Collins, CO, USA

\_\_\_\_\_  
**Place**



\_\_\_\_\_  
**Date**

**DECLARATION OF INCORPORATION  
Of Partly Completed Machinery  
2006/42/EC**

**File name:** 00130-04-CE-MD-02-02  
**Manufacturer's Name:** WOODWARD INC.  
**Manufacturer's Address:** 3800 Wilson Avenue  
Loveland, CO 80538 USA  
**Model Names:** ProAct Analog Actuator

**This product complies, where applicable, with the following Essential Requirements of Annex I:** 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7

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The relevant technical documentation is compiled in accordance with part B of Annex VII. Woodward shall transmit relevant information if required by a reasoned request by the national authorities. The method of transmittal shall be agreed upon by the applicable parties.

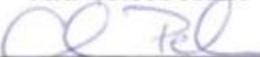
The person authorized to compile the technical documentation:

**Name:** Dominik Kania, Managing Director  
**Address:** Woodward Poland Sp. z o.o., ul. Skarbowa 32, 32-005 Niepolomice, Poland

This product must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of this Directive, where appropriate.

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 Directive 2006/42/EC as partly completed machinery:

**MANUFACTURER**



\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Full Name Christopher Perkins  
\_\_\_\_\_  
Position Engineering Manager  
\_\_\_\_\_  
Place Woodward Inc., Fort Collins, CO, USA  
\_\_\_\_\_  
Date 16-MAY-2016  
\_\_\_\_\_  
Date

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