

**Manual 26799 (Revision B, 3/2015)
EG-6P, EG-6PC, EG-10P, EG-10PC Actuator**

See manual 82566 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.



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

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 for complete instructions (manual 82566).

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
Facility ----- Phone Number	Facility ----- Phone Number	Facility ----- Phone 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: Kempen---- +49 (0) 21 52 14 51	Germany ----- +49 (711) 78954-510	India ----- +91 (129) 4097100
Stuttgart - +49 (711) 78954-510	India ----- +91 (129) 4097100	Japan-----+81 (43) 213-2191
India ----- +91 (129) 4097100	Japan-----+81 (43) 213-2191	Korea-----+82 (51) 636-7080
Japan-----+81 (43) 213-2191	Korea-----+82 (51) 636-7080	The Netherlands--+31 (23) 5661111
Korea-----+82 (51) 636-7080	The Netherlands--+31 (23) 5661111	Poland ----- +48 12 295 13 00
Poland ----- +48 12 295 13 00	United States-----+1 (970) 482-5811	United States-----+1 (970) 482-5811
United States-----+1 (970) 482-5811		

Woodward reserves the right to update any portion of this publication at any time. Information provided by Woodward is believed to be correct and reliable. However, no responsibility is assumed by Woodward unless otherwise expressly undertaken.

Copyright © Woodward 2014–2015
All Rights Reserved



PO Box 1519, Fort Collins CO 80522-1519, USA
1000 East Drake Road, Fort Collins CO 80525, USA
Phone +1 (970) 482-5811 • Fax +1 (970) 498-3058

Email and Website—www.woodward.com

Regulatory Compliance & Declarations

The listings in this section are limited to EG-10P Units.

European Compliance for CE Marking:

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

Zone 1

ATEX – Potentially Explosive Atmospheres Directive: Declared to 94/9/EEC 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. LCIE 12 ATEX 3046X

Zone 2

ATEX – Potentially Explosive Atmospheres Directive: Declared to 94/9/EEC 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.

Other European and International Compliance:

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

Machinery Directive: Compliance as partly complete machinery with 2006/42/EC COUNCIL DIRECTIVE of 17 May 2006 on the approximation of the laws of the Member States relating to machinery.

Pressure Equipment Directive: Compliant as “SEP” per Article 3.3 to Pressure Equipment Directive 97/23/EC of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment.

IECEX: Certified for use in hazardous locations IECEx LCIE 12.0001X Ex e IIC T4 Gb IP54

North American Compliance:

CSA: CSA Certified for Class I, Division 2, Groups B, C, D, T3 For use in Canada Certificate LR 38640-4

UL: UL Listed for Class I, Division 1, Groups B, C, D, T3. For use in the United States.
UL File E49265

UL: UL Listed for Class I, Division 2, Groups B, C, D, T3. For use in the United States.
UL File E158654

IMPORTANT

These hazardous locations listings are limited to those units bearing the UL, CSA, or LCIE agency identification, specific hazardous locations markings, and the CE marking. If the unit will be used in hazardous locations, refer to the product nameplate or contact the Woodward Account Manager for more information.

The EG-10P actuator is suitable for use in Class I, Division 1, Groups B, C, and D per UL for the US or non-hazardous locations only.

The EG-10P actuator is suitable for use in Class I, Division 2, Groups B, C, and D per UL for the US or non-hazardous locations only.

The EG-10P actuator is suitable for use in Class I, Division 2, Groups B, C, and D per CSA for Canada and UL for the US or non-hazardous locations only.

The EG-10P is suitable for use in European Zone 2, Groups A, B, C, and D environments.

The EG-10P is suitable for use in European Zone 1, Groups A, B, C, and D environments per LCIE.

Wiring must be in accordance with North American Class I, Division 1 or 2 or European Zone 1 or 2 wiring methods as applicable, and in accordance with the authority having jurisdiction.

Field Wiring must be suitable for at least 90 °C.

Connect ground terminal to earth ground.

Each EG-10P Zone 1 actuator must be provided with a 900 mA maximum fuse to be installed before the actuator.

 **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 ou de Zone 2.

DECLARATION OF CONFORMITY

DoC No.: 00217-04-EU-02-01
Manufacturer's Name: WOODWARD, INC.
Manufacturer's Address: 1000 E. Drake Rd.
Fort Collins, CO, USA, 80525
Model Name(s)/Number(s): EG10P Actuators with integral connection facility 4166-1006 or 4038-552

The object of the declaration described above is in conformity with the following Directives of the European Parliament and of the Council: 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 in addition to CE mark:  Category 2 Group II G, Ex e IIC T4 Gb, IP54

Applicable Standards: EN60079-0:2009 Explosive Atmospheres Part 0: General Requirements
EN60079-7:2007 Explosive Atmospheres Part 7: Equipment Protected by Increased Safety "e"

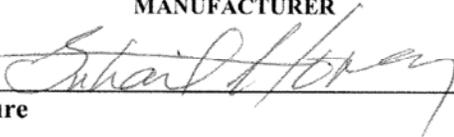
Third Party Certification Information: LCIE 12 ATEX 3046 X
LCIE
Siège Social : 33, Avenue du Général Leclerc
F92260 Fonrenay-aux-Roses, France

Conformity Assessment: ATEX 01 220 113542

Notified Body For ATEX: TUV (0035)
TÜV Rheinland Ind. Service GmbH
Am Grauen Stein, D-51106 Cologne

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

Suhail Horan

Full Name

Per Authorized Signature

Position

Woodward, Fort Collins, CO, USA

Place

17-July-2012

Date

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): EG10P Division 2 Actuators

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

Applicable Standards: EN50021, 1999: Electrical apparatus for potentially explosive
atmospheres - Type of protection 'n'
EN60529, 1991: Degrees of protection provided by enclosures
(IP code)

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

MANUFACTURER



Signature

Douglas W. Salter

Full Name

Engineering Manager

Position

WIC, Fort Collins, CO, USA

Place

1/29/03

Date

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

Manufacturer's Name: WOODWARD GOVERNOR COMPANY (WGC)

Manufacturer's Address: 1000 E. Drake Rd. 3800 N. Wilson Ave.
Fort Collins, CO, USA, 80525 Loveland, CO, USA 80538

Model Names: EG10P Actuators with Provision for Conduit Fittings

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

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.

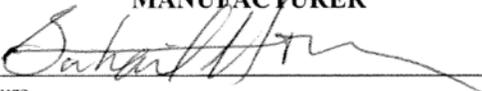
The person authorized to compile the technical documentation:

Name: Ralf Friedrich, Group Director, Quality, EPS
Address: Woodward GmbH, Handwerkstraße 29, 70565 Stuttgart, Germany

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

Suhail Horan
Full Name

Quality Manager
Position

WGC, Fort Collins, CO, USA
Place

17-July-2012
Date

