

37286



Option D08

Preglow Control

Functional Description
GCP-30 from Software Version 4.3010

Manual 37286

**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.

The engine, turbine, or other type of prime mover should be equipped with an overspeed (overtemperature, or overpressure, where applicable) shutdown unit(s), that operates totally independently of the prime mover control unit(s) to protect against runaway or damage to the engine, turbine, or other type of prime mover with possible personal injury or loss of life should the mechanical-hydraulic governor(s) or electric control(s), the actuator(s), fuel control(s), the driving mechanism(s), the linkage(s), or the controlled unit(s) fail.

**CAUTION**

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

Electronic controls contain static-sensitive parts. Observe the following precautions to prevent damage to these parts.

- Discharge body static before handling the control (with power to the control turned off, contact a grounded surface and maintain contact while handling the control).
- Avoid all plastic, vinyl, and Styrofoam (except antistatic versions) around printed circuit boards.
- Do not touch the components or conductors on a printed circuit board with your hands or with conductive units.

Important Definitions**WARNING**

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. Appropriate precautions have to be taken.

**CAUTION**

Indicates a potentially hazardous situation that, if not avoided, could result in damage to equipment. This note should absolutely be observed when connecting the unit.

**NOTE**

References to other notes and supplements as well as tables and lists are identified by means of the "i" symbol. Most of the referenced sections are included in the Annex.

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Revision History



Rev.	Date	Editor	Changes
NEW	04-08-26	TP	Release

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Chapter 1.

General Information



CAUTION

This brief manual can only be used together with the standard manuals.

This manual describes the following options:

- **Option D08**
- Preglow Control

The Option D08 enables to control the preglow time using a preglow controller.

Chapter 2.

Option D08



Preglowing can be terminated by a signal, coming for example from a preglow controller. For this, the signal has to be applied to terminal 69. Additionally, the function has to be enabled with the parameter "End preglow by term 69".

If terminal 69 is **energized** during the configured preglow time, preglowing will be terminated immediately and the crank will be energized.

If terminal 69 is **not energized** during the configured preglow time, the crank is only energized after the expiration of the preglow time.

In case a start fails, the configured number of start attempts is performed regardless of the state of terminal 69.

As long as the terminal is energized, preglow is blocked. If the terminal is not energized anymore in case of another start attempt, preglow is performed again.

<div>End preglow by term 69 OFF</div>	<div>End preglow by terminal 69</div> <div>ON/OFF</div>
	<div>OFF..... The discrete input 12 (terminal 69) operates like a regular alarm input.</div> <div>ON..... Preglow is always blocked as long as terminal 69 is energized.</div>
	<div>Default value: Off</div>

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