

9905-463

ProAct Model II Speed Control

WOODWARD 9905-463 is a ProAct Model II speed control used with the documented ProAct actuator arrangement. Woodward Application Note 51499 identifies 9907-1290 as its replacement speed control and Manual 04121 as the applicable manual family.

BRAND	WOODWARD	MODEL	9905-463
PRODUCT	ProAct Model II Speed Control	FAMILY	Industrial automation
OFFICIAL SOURCE	Woodward ProAct Gen 1 Position Sensor Update	RECORD	Application Note 51499 Rev. C, speed-control replacement table

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

WOODWARD 9905-463 is a ProAct Model II speed control used with the documented ProAct actuator arrangement. Woodward Application Note 51499 identifies 9907-1290 as its replacement speed control and Manual 04121 as the applicable manual family.

FUNCTION 1

Controls a documented ProAct Model II actuator application

FUNCTION 2

Accepts the documented speed-bias interface

FUNCTION 3

Uses Woodward Manual 04121 for setup and service

FUNCTION 4

Has the official replacement reference 9907-1290

APPLICATION	ENGINEERING CONTEXT
Prime-mover speed control	Regulates the documented ProAct actuator in engine or turbine speed service.
Generator control integration	Accepts a configured EGCP-2 speed-bias command in the documented arrangement.
Legacy control replacement	Replaces the identical 9905-463 after wiring and actuator checks.
Upgrade planning	Uses Woodward 9907-1290 as the documented replacement path.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Product type	ProAct Model II Speed Control
Catalog number	9905-463
Applicable manual	Woodward Manual 04121
Documented replacement	9907-1290
Documented interface	ProAct I & II speed-control bias interface
EGCP-2 bias signal	±3 Vdc
EGCP-2 terminals	12 positive, 13 negative
Commissioning basis	Actuator direction, speed bias and dynamic response must be verified

Acceptance Path

1 IDENTITY

The complete 9905-463 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 9905-463 marking and do not identify it as a 2301A load-sharing control.	What is WOODWARD 9905-463?	It is a ProAct Model II Speed Control, not a 2301A load-sharing control.
2	Record actuator model, rotation and linkage before disconnection.	Which manual applies to WOODWARD 9905-463?	Woodward Application Note 51499 identifies Manual 04121 for this speed-control family.
3	Follow Woodward Manual 04121 for the installed ProAct arrangement.		
4	Label the speed-bias and actuator connections before removal.	What is the documented replacement for WOODWARD 9905-463?	Woodward lists 9907-1290 as the replacement speed control.
5	Confirm the documented ± 3 Vdc bias polarity where an EGCP-2 interface is used.	How can WOODWARD 9905-463 interface with an EGCP-2?	The official EGCP-2 manual shows a ± 3 Vdc speed-bias connection using terminals 12 positive and 13 negative.
6	Do not substitute 9907-1290 without completing the Woodward replacement checks.		
7	Prevent overspeed by starting with controlled speed and gain settings.		
8	Verify stable speed response, actuator travel and shutdown action before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
WOODWARD 8200-203	View WOODWARD 8200-203
WOODWARD 8200-226	View WOODWARD 8200-226
WOODWARD 8280-192	View WOODWARD 8280-192
WOODWARD 8280-4001	View WOODWARD 8280-4001
WOODWARD 8406-113	View WOODWARD 8406-113
WOODWARD 8440-1934	View WOODWARD 8440-1934

FAQ, Related Products and Sources

QUESTION	ANSWER
What must be recorded before replacing WOODWARD 9905-463?	Record actuator identity, direction, linkage, bias wiring and all speed-control settings.
Why is overspeed protection important when commissioning WOODWARD 9905-463?	Incorrect speed-range, polarity or dynamic settings can command unsafe prime-mover speed.
What confirms successful commissioning of WOODWARD 9905-463?	Stable commanded speed, correct actuator travel, verified bias response and a passed shutdown test confirm release.

MANUFACTURER SOURCE RECORDS

Woodward ProAct Gen 1 Position Sensor Update - Application Note 51499 Rev. C, speed-control replacement table
Woodward EGCP-2 Manual - Manual 26174 Rev. C, ProAct speed-bias wiring

Related Products on Apter Power

MODEL	APTER POWER PAGE
WOODWARD 8440-1947	View WOODWARD 8440-1947
WOODWARD 8440-2028	View WOODWARD 8440-2028
WOODWARD 8440-2050	View WOODWARD 8440-2050
WOODWARD 8440-2082	View WOODWARD 8440-2082
WOODWARD 9905-003	View WOODWARD 9905-003
WOODWARD 9905-021	View WOODWARD 9905-021
WOODWARD 9905-096	View WOODWARD 9905-096
WOODWARD 9905-969	View WOODWARD 9905-969

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