

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	WOODWARD
Complete model	9905-463
Product role	ProAct Model II Speed Control
System family	Industrial automation
Source record	Application Note 51499 Rev. C, speed-control replacement table

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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9905-463

Technical Specifications

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

ENGINEERING BOUNDARY

Use only the complete WOODWARD 9905-463 identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
WOODWARD 5437-2131	View WOODWARD 5437-2131
WOODWARD 5464-333	View WOODWARD 5464-333
WOODWARD 5464-334	View WOODWARD 5464-334
WOODWARD 5464-335	View WOODWARD 5464-335
WOODWARD 5464-337	View WOODWARD 5464-337
WOODWARD 5464-643	View WOODWARD 5464-643

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete 9905-463 marking and do not identify it as a 2301A load-sharing control.
2	Record actuator model, rotation and linkage before disconnection.
3	Follow Woodward Manual 04121 for the installed ProAct arrangement.
4	Label the speed-bias and actuator connections before removal.
5	Confirm the documented ± 3 Vdc bias polarity where an EGCP-2 interface is used.
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.

QUESTION	ANSWER
What is WOODWARD 9905-463?	It is a ProAct Model II Speed Control, not a 2301A load-sharing control.
Which manual applies to WOODWARD 9905-463?	Woodward Application Note 51499 identifies Manual 04121 for this speed-control family.
What is the documented replacement for WOODWARD 9905-463?	Woodward lists 9907-1290 as the replacement speed control.
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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
WOODWARD 5464-653	View WOODWARD 5464-653
WOODWARD 5464-654	View WOODWARD 5464-654
WOODWARD 5466-031	View WOODWARD 5466-031
WOODWARD 5466-348	View WOODWARD 5466-348
WOODWARD 5466-353	View WOODWARD 5466-353
WOODWARD 5466-354	View WOODWARD 5466-354

FAQ, Related Products and Official 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.

MODEL	APTER POWER PAGE
WOODWARD 5501-467	View WOODWARD 5501-467
WOODWARD 5501-470	View WOODWARD 5501-470
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

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

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