

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	9905-463
Manufacturer	WOODWARD
Hardware type	ProAct Model II Speed Control
System family	Industrial automation
Official source	Application Note 51499 Rev. C, speed-control replacement table

CONTROLLED ENGINEERING COPY

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.

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9905-463

Pre-Installation Plan

NO.	REQUIRED ACTION
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.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	9905-463
Physical interface	Exact WOODWARD 9905-463 nameplate and installed revision
Companion check	Documented ProAct Model II Speed Control system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
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

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record WOODWARD 9905-463 and the installed revision exactly.
Product type	Verify the documented value: ProAct Model II Speed Control.
Catalog number	Verify the documented value: 9905-463.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete ProAct Model II Speed Control function under a controlled maintenance state.

CONFIGURATION 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.

Expected Technical Values

PARAMETER	VALUE
Product type	ProAct Model II Speed Control
Catalog number	9905-463
Applicable manual	Woodward Manual 04121
Documented replacement	9907-1290

Related Products on Apter Power

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

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete 9905-463 marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING 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 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

FAQ, Source and Controlled Release

QUESTION	ENGINEERING 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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	9905-463 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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