

Westinghouse 5X00119G01

Complete Product Information

Westinghouse 5X00119G01 converts eight resistance-temperature detector inputs to digital data for the Ovation controller using the dedicated 5X00121G01 field interface.

WHAT THIS PRODUCT DOES

Westinghouse 5X00119G01 serves as a rtd input electronics module in the Ovation I/O subsystem. It interfaces resistance-temperature detector input with 5X00121G01 RTD personality module.

Product characteristic 1 Provides eight RTD channels for the documented rtd input electronics module function.	Product characteristic 2 Handles resistance-temperature detector input through the specified Ovation I/O subsystem.
Product characteristic 3 Works with 5X00121G01 RTD personality module.	Product characteristic 4 On-demand self-calibration and channel error reporting support controlled commissioning and diagnostics.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Channels	8 RTD inputs
Wiring modes	3-wire or 4-wire, channel configurable
Resolution	12 bits
Sampling	16.67/s at 50 Hz or 20/s at 60 Hz under normal operation

IMPORTANT NOTICE	Use 5X00119G01 only with 5X00121G01 RTD personality module; verify the field interface and controlled configuration before energizing the subsystem.
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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Channels	8 RTD inputs
Wiring modes	3-wire or 4-wire, channel configurable
Resolution	12 bits
Sampling	16.67/s at 50 Hz or 20/s at 60 Hz under normal operation
Required personality module	5X00121G01 only

FEATURE INTERPRETATION

Product identity Provides eight RTD channels for the documented rtd input electronics module function.	System role Handles resistance-temperature detector input through the specified Ovation I/O subsystem.
Service context Works with 5X00121G01 RTD personality module.	Return-to-service focus On-demand self-calibration and channel error reporting support controlled commissioning and diagnostics.

SIGNAL OR CONTROL PATH



The rtd input electronics module belongs in the controlled Ovation I/O subsystem and works with 5X00121G01 RTD personality module. Its field connection, companion hardware and project configuration must be reviewed together before the channel is returned to service.

PRODUCT-PAGE TECHNICAL QUESTIONS

What function does Westinghouse 5X00119G01 perform?	It converts eight resistance-temperature detector inputs to digital data for the Ovation controller using the dedicated 5X00121G01 field interface.
How many channels are associated with Westinghouse 5X00119G01?	The documented configuration provides eight RTD channels.
Which signal path is used by Westinghouse 5X00119G01?	It is used for resistance-temperature detector input within the specified subsystem.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Installed-base maintenance Restores the documented rtd input electronics module position without changing the approved system architecture.	Loop or channel service Supports verification of resistance-temperature detector input at the assigned control-system channel.
Planned replacement Provides an exact-identity replacement path when 5X00121G01 RTD personality module and the field interface have been confirmed.	Commissioning support Allows the responsible engineer to prove wiring, configuration, status and response for eight RTD channels.

APPLICATION VERIFICATION MAP

Installed-base maintenance	Confirm the documented system position and the required operating function.
Loop or channel service	Compare the restored connection or control path with the approved record.
Planned replacement	Check the physical interface and the retained configuration before startup.
Commissioning support	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Which signal path is used by Westinghouse 5X00119G01?	It is used for resistance-temperature detector input within the specified subsystem.
Which companion hardware must be checked for Westinghouse 5X00119G01?	Confirm 5X00121G01 RTD personality module and the project-specific base or terminal arrangement.
What technical values should be verified before installing Westinghouse 5X00119G01?	Verify 8 RTD inputs; also confirm 3-wire or 4-wire, channel configurable and every applicable range or wiring selection.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 01 Match the complete 5X00119G01 marking to the work order and installed position before removal.
- 02 Confirm 5X00121G01 RTD personality module before making or breaking any field connection.
- 03 Keep the assigned resistance-temperature detector input within the documented subsystem and range.
- 04 Record terminal designations, polarity, common and shield treatment before disconnecting conductors.
- 05 Inspect module seating, connector keying, terminal condition and strain relief before power is restored.
- 06 Restore the controlled channel configuration, range selection and alarm or timeout behavior after installation.
- 07 Check local indicators and controller diagnostics for internal, communication or channel faults during commissioning.
- 08 Prove the intended response across eight RTD channels and record the acceptance result before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What function does Westinghouse 5X00119G01 perform?	It converts eight resistance-temperature detector inputs to digital data for the Ovation controller using the dedicated 5X00121G01 field interface.
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Which signal path is used by Westinghouse 5X00119G01?	It is used for resistance-temperature detector input within the specified subsystem.
Which companion hardware must be checked for Westinghouse 5X00119G01?	Confirm 5X00121G01 RTD personality module and the project-specific base or terminal arrangement.

IMPORTANT NOTICE

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RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

What technical values should be verified before installing Westinghouse 5X00119G01?	Verify 8 RTD inputs; also confirm 3-wire or 4-wire, channel configurable and every applicable range or wiring selection.
What connection details should be recorded for Westinghouse 5X00119G01?	Record terminal identifiers, polarity, common, shield termination, connector keying and the assigned channel before disconnection.
Which diagnostics should be reviewed when commissioning Westinghouse 5X00119G01?	Review the applicable power, communication, internal-fault and channel-status indications, then compare the controller status with the expected field condition.
Can a nearby ordering code replace Westinghouse 5X00119G01 without an engineering check?	No. Match the complete identifier, companion hardware, signal range, wiring and controlled project configuration before substitution.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Emerson Process Management, Ovation Interim Publication Update IPU-243, Eight Channel RTD Module, April 2003.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Westinghouse 1C31122G01	Related product reference. Review the complete ordering string before selection.
Westinghouse 1C31132G01	Related product reference. Compare the required interface and system position.
Westinghouse 1C31189G01	Related product reference. Confirm the execution independently for the intended task.

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