WESTINGHOUSE 5X00622G01

RTD Input Module

WESTINGHOUSE 5X00622G01 is a sixteen-channel Ovation electronics module for three-wire RTD resistance inputs.

01	02	03	04
Sixteen RTD channels	Three-wire sensor inputs	14-bit resistance output	No personality module required

System position

Three-wire RTD	5X00622G01 resistance conversion	Ovation I/O communication	Controller scaling and alarms

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 5X00622G01 is retained without shortening its suffix.	In temperature-monitoring service, WESTINGHOUSE 5X00622G01 provides channel conversion, open-wire diagnostics and front-panel status indication. Sensor type, three-wire balance and controller scaling must be restored channel by channel.	Only exact-model or explicitly applicable family facts are populated.	Connections, configuration, function and safe response require recorded proof.

02 / CAPABILITY AND INTERFACE MAP

Verified technical matrix

Product type	RTD input electronics module
Channel count	16
Sensor wiring	Three-wire RTD
Digital output	14-bit linear resistance value

Personality module	Not required
Diagnostic LEDs	Power, communication, internal error and channels 1-16
Channel diagnostics	Overrange, channel communication failure or open wire
Part number	5X00622G01

Interface architecture

Sensor boundary	Conversion boundary	Diagnostic boundary	Controller boundary
Sixteen three-wire RTD circuits	Resistance converted to a 14-bit digital value	Open-wire, overrange and channel communication checks	Ovation scaling converts resistance to engineering units

Control path

Three-wire RTD	5X00622G01 resistance conversion	Ovation I/O communication	Controller scaling and alarms

Technical service focus

H1	H2	H3	H4
Sixteen RTD channels	Three-wire sensor inputs	14-bit resistance output	No personality module required

Use cases with controlled scope

Multipoint temperature monitoring	Legacy Ovation maintenance	Open-wire troubleshooting	Temperature-loop commissioning
Acquires sixteen three-wire RTD sensors.	Restores an installed 5X00622G01 temperature-input position.	Uses channel diagnostics to isolate sensor and wiring faults.	Supports resistance injection and controller-scaling checks.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 5X00622G01 remains complete in purchasing, drawings and labels.	Installed position and surrounding hardware are verified before exchange.	Project data, jumpers, wiring and settings are recorded as applicable.	Functional and safe-state evidence is captured before release.

Installation decision points

1	2	3	4
Isolate or simulate affected RTD loops before handling WESTINGHOUSE 5X00622G01.	Confirm the complete G01 identity and all sixteen configured point assignments.	Record sensor type, three-wire terminals, engineering units and alarm limits for each channel.	Keep the three conductors for each RTD together and preserve the original lead pairing.

System relationship

Three-wire RTD	5X00622G01 resistance conversion	Ovation I/O communication	Controller scaling and alarms

FAQ decision matrix

Engineering decision	Controlled response
How many RTD channels are provided by WESTINGHOUSE 5X00622G01?	It provides sixteen RTD input channels.
Which sensor wiring arrangement applies to WESTINGHOUSE 5X00622G01?	The module is configured for three-wire RTD inputs.
What digital format is produced by WESTINGHOUSE 5X00622G01?	It converts measured resistance to a 14-bit linear digital value.
Does WESTINGHOUSE 5X00622G01 require a personality module?	No. The valid module combination lists no separate personality module.

Eight release precautions

1 Isolate or simulate affected RTD loops before handling WESTINGHOUSE 5X00622G01.	**2** Confirm the complete G01 identity and all sixteen configured point assignments.	**3** Record sensor type, three-wire terminals, engineering units and alarm limits for each channel.	**4** Keep the three conductors for each RTD together and preserve the original lead pairing.
5 Do not install a personality module in the 5X00622G01 configuration.	**6** Inspect P, C, I and channel LED indications during startup.	**7** Use traceable resistance values to verify conversion and controller scaling.	**8** Release the module only after open-wire, overrange and all used-channel checks pass.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Ovation Maintaining Your System OW360_R1007, 16-channel RTD input module section	Supports only the exact-model or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1P00028G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00106G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00119G01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 5X00622G01 RTD Input Module Verify the complete nameplate before installation.