WESTINGHOUSE 3A99190G01

Remote I/O Interface Board

WESTINGHOUSE 3A99190G01 is a PCRR remote I/O interface board used in legacy Ovation and WDPF controller I/O communication.

01	02	03	04
PCRR remote I/O interface	Revision 14 service note	CRC and node-status diagnostics	Remote source/destination checking

System position

Controller I/O request	3A99190G01 PCRR	Remote I/O transport	Remote node and modules

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 3A99190G01 is retained without shortening its suffix.	During remote I/O troubleshooting, WESTINGHOUSE 3A99190G01 is evaluated through node response, CRC, source/destination and internal-error status codes. Replacement must retain the exact board revision and remote-node addressing records.	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	PCRR remote I/O interface board
Platform	Ovation / WDPF remote I/O
Recommended revision	Revision 14 for the listed PCRR communication correction
Success status	0x6000 or 0xE000

Internal error status	0x4E00 or 0xCE00
Remote node no-response status	0x0A00 or 0x8A00
Remote node bad-CRC status	0x2A00 or 0xAA00
Part number	3A99190G01

Interface architecture

Controller boundary	PCRR boundary	Transport boundary	Diagnostic boundary
Receives remote I/O transactions	Applies addressing and communication-status checks	Carries requests and responses to the remote node	Reports node, CRC, source, destination and internal errors

Control path

Controller I/O request	3A99190G01 PCRR	Remote I/O transport	Remote node and modules

Technical service focus

H1	H2	H3	H4
PCRR remote I/O interface	Revision 14 service note	CRC and node-status diagnostics	Remote source/destination checking

Use cases with controlled scope

Remote I/O communication	Fault-code analysis	Legacy board revision service	Remote-node commissioning
Interfaces the controller with a remote I/O node.	Supports interpretation of PCRR node, echo and CRC statuses.	Provides the exact 3A99190G01 identity for Rev. 14-controlled replacement.	Defines a checkpoint for addressing, response and error-status validation.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 3A99190G01 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
Place affected remote I/O points in a safe condition before handling WESTINGHOUSE 3A99190G01.	Record the complete part number and installed board revision before removal.	Capture active PCRR fault codes and the affected remote-node addresses before power cycling.	Do not change remote source or destination addressing during a board-only replacement.

System relationship

Controller I/O request	3A99190G01 PCRR	Remote I/O transport	Remote node and modules

FAQ decision matrix

Engineering decision	Controlled response
What system role belongs to WESTINGHOUSE 3A99190G01?	It is a PCRR board that interfaces a controller with remote I/O.
Which revision is identified for WESTINGHOUSE 3A99190G01 communication service?	Revision 14 is identified for the listed PCRR communication correction.
Which code indicates success for WESTINGHOUSE 3A99190G01?	The success status is 0x6000 or 0xE000.
How is a remote-node no-response condition shown for WESTINGHOUSE 3A99190G01?	The remote-node no-response status is 0x0A00 or 0x8A00.

Eight release precautions

1 Place affected remote I/O points in a safe condition before handling WESTINGHOUSE 3A99190G01.	**2** Record the complete part number and installed board revision before removal.	**3** Capture active PCRR fault codes and the affected remote-node addresses before power cycling.	**4** Do not change remote source or destination addressing during a board-only replacement.
5 Inspect bus connectors, termination, shielding and board guides before installation.	**6** Use Revision 14 where the published PCRR communication correction applies.	**7** Verify the absence of no-response, bad-CRC and internal-error statuses after startup.	**8** Return remote I/O to service only after normal status and point-by-point response checks pass.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Westinghouse Interim Publication Update IPU 210 for R3-1145, PCRR status table and Revision 14 note	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 1C31132G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31147G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31150G01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 3A99190G01 Remote I/O Interface Board Verify the complete nameplate before installation.