WESTINGHOUSE 1C31116G02

Field-Powered Current Input Module

WESTINGHOUSE 1C31116G02 is an eight-channel Ovation analog-input personality module for field-powered 0-20 mA and 4-20 mA current loops.

01	02	03	04
Eight current-input channels	Field-powered loop arrangement	0-20 mA and 4-20 mA selection	1C31113G05 electronics pairing

System position

Field-powered transmitter	1C31116G02 personality module	1C31113G05 conversion stage	Ovation I/O bus

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 1C31116G02 is retained without shortening its suffix.	WESTINGHOUSE 1C31116G02 is the field-side personality module in an Ovation current-input subsystem. Correct loop polarity, field power, grounding and the 1C31113G05 pairing must be retained during replacement.	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 class	Analog-input personality module
Platform	Ovation standard I/O
Channel count	8
Current ranges	0-20 mA; 4-20 mA selectable

Loop-power arrangement	Field powered
Paired electronics	1C31113G05
Protection fuse	0.063 A; 250 V; fast acting
Full model	1C31116G02

Interface architecture

Field boundary	Personality interface	Electronics interface	Controller boundary
Eight field-powered current loops	Loop routing, shielding and fused protection	1C31113G05 analog conversion module	Converted values transferred on the Ovation I/O bus

Control path

Field-powered transmitter	1C31116G02 personality module	1C31113G05 conversion stage	Ovation I/O bus

Technical service focus

H1	H2	H3	H4
Eight current-input channels	Field-powered loop arrangement	0-20 mA and 4-20 mA selection	1C31113G05 electronics pairing

Use cases with controlled scope

Process-current acquisition	Legacy subsystem service	Loop commissioning	Channel fault isolation
Connects eight field-powered current signals to an Ovation analog-input position.	Restores an installed 1C31116G02 personality-module position.	Provides a defined point for polarity, current and fuse checks.	Separates transmitter, wiring, personality-module and electronics-stage testing.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 1C31116G02 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 every field loop before handling WESTINGHOUSE 1C31116G02.	Confirm the complete G02 identity and the 1C31113G05 electronics pairing.	Record channel assignments, polarity, shields and configured ranges before removal.	Do not move the module into a locally powered loop arrangement.

System relationship

Field-powered transmitter	1C31116G02 personality module	1C31113G05 conversion stage	Ovation I/O bus

FAQ decision matrix

Engineering decision	Controlled response
How many current channels does WESTINGHOUSE 1C31116G02 provide?	It provides eight analog current-input channels.
Which ranges are documented for WESTINGHOUSE 1C31116G02?	The personality module supports 0-20 mA and selectable 4-20 mA field-powered inputs.
What is the standard electronics partner for WESTINGHOUSE 1C31116G02?	The documented standard pairing is 1C31113G05.
Is WESTINGHOUSE 1C31116G02 intended for local loop power?	No. The G02 identity is the field-powered current-loop version.

Eight release precautions

1 Isolate every field loop before handling WESTINGHOUSE 1C31116G02.	**2** Confirm the complete G02 identity and the 1C31113G05 electronics pairing.	**3** Record channel assignments, polarity, shields and configured ranges before removal.	**4** Do not move the module into a locally powered loop arrangement.
5 Use only the documented 0.063 A, 250 V fast-acting fuse after clearing the fault.	**6** Keep reserved terminals unused and preserve the approved shield termination.	**7** Inject traceable current at representative points on each used channel.	**8** Release the module only after controller indication, alarms and loop-fault behavior pass the site test.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Ovation I/O Reference Manual R3-1150, analog-input personality-module and field-wiring sections	Supports only the exact-model or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
Ovation 1B30035H01 Base Unit	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31110G03	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31116G01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 1C31116G02 Field-Powered Current Input Module Verify the complete nameplate before installation.