

IC660BBA103

115 VAC/125 VDC Thermocouple Input Block

CONTROLLED ENGINEERING COPY

GE IC660BBA103 is a 115 VAC/125 VDC Thermocouple Input Block for the GE Genius I/O. It provides the documented field interface or control function in the configured system.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC660BBA103
Manufacturer	General Electric
System family	GE Genius I/O
Record scope	Installation, application and verification



APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

01 PRE-INSTALLATION PLAN

- 1

Confirm the full IC660BBA103 catalog marking and installed GE Genius I/O position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.
- 5

Verify each documented value for IC660BBA103 against the installed host and field circuit.

MATCHED HARDWARE

- GE IC660BBA103 with complete catalog identity
- Matched Genius bus controller and approved host
- Recorded terminal, cable and field-device schedule
- Approved grounding, shielding and protection hardware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC660BBA103 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Thermocouple inputs	6
Input grouping	Three isolated groups of two
Supported types	J, K, T, E, B, R, S and N
Voltage range	-25.0 to +150 mV
Resolution	Less than 4 μ V
Input amplifier bandwidth	8 Hz
Block power	93 to 132 VAC or 105 to 145 VDC
Block isolation	1500 V for one minute
Group isolation	300 V
Heat dissipation	9 W maximum

RELATED GE PRODUCT PAGES

1 [GE IC670ALG330](#)

2 [GE IC670ALG320](#)

3 [GE IC670ALG310](#)

4 [GE IC670ALG240](#)

5 [GE IC670ALG230](#)

6 [GE IC670MFP100](#)

7 [GE IC670FBI001](#)

8 [GE IC670ALG630](#)

9 [GE IC670ALG620](#)

FIELD NOTE

Confirm IC660BBA103, the installed Genius bus position, terminal or connector identity, field wiring and configuration before energization.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC660BBA103
Physical interface	Exact model, bus position, terminals and connected field circuits matched
Configuration	Device number, I/O assignments and approved configuration restored
Functional proof	Controlled diagnostics and field-response test recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Verify each documented value for IC660BBA103 against the installed host and field circuit.
- ☐ Restore the approved terminal assembly, power grouping and configuration record.
- ☐ Energize in the prescribed sequence and review module, bus and point diagnostics.
- ☐ Complete a controlled signal or load test before returning the station to service.

VERIFICATION RECORD

PRODUCT IDENTITY	IC660BBA103
INSTALLED POSITION	Documented GE Genius I/O bus position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

Genius I/O Discrete and Analog Blocks User's Manual | GE Fanuc GEK-90486D-2, September 1993