

IC670ALG621

GE Fanuc Field Control RTD analog input module

CONTROLLED ENGINEERING COPY

Verify the exact IC670ALG621 hardware marking, installed RTD type, conductor arrangement, terminal assignment and existing channel configuration before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670ALG621
Manufacturer part	IC670ALG621
Hardware type	IC670ALG621
System family	GE Fanuc Field Control distributed I/O



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670ALG621 catalog marking and assigned Field Control position before work.
- 2

Place the connected RTD temperature acquisition process in its approved maintenance state before disturbing the station.
- 3

Isolate BIU and field power, then confirm a safe condition at the IC670ALG621 terminal block.
- 4

Label and record channel conductors, returns, shields and external supply wiring before disconnecting any conductor from IC670ALG621.
- 5

Use ESD controls and protect the module connector, terminal block keying and exposed electronics.

MATCHED HARDWARE

- Field Control I/O terminal block
- Compatible station BIU or processor
- Installed RTD field circuits
- Approved channel configuration record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670ALG621 / IC670ALG621 recorded
Physical interface	Field Control I/O terminal block
Companion check	Compatible station BIU or processor
Functional proof	Uses the exact IC670ALG621 catalog identity
Application test	RTD temperature acquisition field station

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670ALG621
Product family	Field Control
Signal category	RTD temperature/resistance input
Mounting	Field Control I/O terminal block
Station interface	Compatible Field Control BIU or processor
Configuration method	Station configuration using the supported programmer or host
Data role	Analog input with diagnostic status
Installation system	DIN-rail Field Control station

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Field Control I/O terminal block
Companion hardware	Compatible station BIU or processor
Field connection	Installed RTD field circuits
Primary system function	Uses the exact IC670ALG621 catalog identity
Controlled acceptance duty	RTD temperature acquisition field station

FIELD NOTE

Verify the exact IC670ALG621 hardware marking, installed RTD type, conductor arrangement, terminal assignment and existing channel configuration before replacement.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670ALG621 / IC670ALG621 recorded
Physical interface	Field Control I/O terminal block
Companion check	Compatible station BIU or processor
Functional proof	Uses the exact IC670ALG621 catalog identity
Application test	RTD temperature acquisition field station

04 RETURN-TO-SERVICE RECORD

- ☐
- Restore only the documented channel range, scaling, alarms and default behavior; do not copy settings from an adjacent module.
- ☐
- Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- ☐
- Complete low, midpoint and high signal checks plus alarm and diagnostic verification and retain the final result before returning the process to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	IC670ALG621
INSTALLED POSITION	Documented GE Fanuc Field Control distributed I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS200STAOH2AAA	Related GE product	View IS200STAOH2AAA page
IS200BTCH1BBB	Related GE product	View IS200BTCH1BBB page
IS200EMIOH1ACA	Related GE product	View IS200EMIOH1ACA page
IS200ECTBG1A	Related GE product	View IS200ECTBG1A page
IS200TRTDH1CCC-594440	Related GE product	View IS200TRTDH1CCC-594440 page
IS200TRLYH1BGF	Related GE product	View IS200TRLYH1BGF page
IS420ESWBH2A	Related GE product	View IS420ESWBH2A page
IS220PSFDH1A	Related GE product	View IS220PSFDH1A page

SOURCE IDENTIFIERS

GE Fanuc Field Control Distributed I/O and Control System I/O Modules User's Manual
GFK-0826J, June 2002

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