

IC693MDL741G

12/24 VDC 16-Point Negative Logic Output Module

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

GE IC693MDL741G is a 16-point 12/24 VDC negative-logic output module for the Series 90-30 PLC. It switches two groups of eight field outputs from the configured PLC output table.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact GE article.

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IC693MDL741G

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm IC693MDL741G and hardware revision G on the module label.
- 2

Place all connected loads in a safe state and isolate field power.
- 3

Record both commons and every output point before disconnecting wiring.
- 4

Verify negative-logic polarity and the external 12/24 VDC source.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	IC693MDL741G
Host / carrier	GE Series 90-30 PLC
Primary system role	Switches sixteen negative-logic DC field outputs
Acceptance boundary	Command each output under controlled conditions and verify load response.
Source record	Series 90-30 PLC I/O Module Specifications

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Install IC693MDL741G only in the documented GE Series 90-30 PLC arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

- 1

Inspect terminal-block keying, baseplate connector and conductor condition.
- 2

Restore the documented Series 90-30 slot and output mapping.
- 3

Check backplane and module diagnostics before enabling field power.
- 4

Command each output under controlled conditions and verify load response.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm the complete IC693MDL741G marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	IC693MDL741G
Host match	GE Series 90-30 PLC
Connection proof	Restore the documented Series 90-30 slot and output mapping.
Configuration proof	Check backplane and module diagnostics before enabling field power.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Command each output under controlled conditions and verify load response.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

Series 90-30 actuator control

Commands documented relays, solenoids or indicators from the PLC.

Two-group output marshalling

Separates field loads across the module's two common groups.

Machine-control panel service

Restores a documented sixteen-point negative-logic output position.

Output interlock verification

Supports controlled command and field-response checks after maintenance.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
IC693CHS398	Series 90-30 baseplate	View IC693CHS398 page
DS200TCDAF1BCM	digital I/O board	View DS200TCDAF1BCM page
IS200ECTBG1A	terminal board	View IS200ECTBG1A page
IS200EMIOH1ACA	exciter I/O board	View IS200EMIOH1ACA page
IS200STAOH2AAA	analog output module	View IS200STAOH2AAA page
IS200BTCH1BBB	control card	View IS200BTCH1BBB page
IS200TRTDH1CCC	RTD terminal board	View IS200TRTDH1CCC page
IS200ACLEH1BCB	control layer module	View IS200ACLEH1BCB page

MANUFACTURER SOURCE RECORD

Series 90-30 PLC I/O Module Specifications
GE Fanuc GFK-0898F, July 2000

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