

Installation Instructions

07KT94 GJR5252100R0161

AC31 programmable controller

Advant Controller 31

Before work begins

- 01 Confirm the exact 07KT94 GJR5252100R0161 article number and installed power-section position.
- 02 Place the drive in a safe state, isolate all energy sources and wait the Siemens discharge time.
- 03 Record busbars, connectors, gate leads, cooling connections and protective-earth conductors.
- 04 Use ESD controls and qualified drive-service personnel throughout the replacement.

Model-specific connection checks

Digital Inputs	24 isolated 24 V DC
Transistor Outputs	16 channels, 0.5 A
Configurable I/O	8 channels, 24 V DC
Analog Inputs	8 integrated channels
Analog Outputs	4 integrated channels
Serial Protocol	ASCII and MODBUS
Network Interface	ARCNET integrated
Supply Voltage	24 V DC
Program Memory	Flash-backed controller program
Mounting Format	AC31 basic unit

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or busbars; restore all shields, grounds and cooling seals.
- Torque power connections and secure cable supports under the applicable Siemens procedure.

Commissioning and return to service

01 07 KT 94.

02 Check insulation and protective-earth continuity before energising..

03 Restore auxiliary and main power in the approved sequence..

04 Observe interface, control-unit and power-section diagnostics..

05 Test the connected motor or DC-drive function at a controlled operating point..

06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable Siemens controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.