

Installation Instructions

07KT97

programmable controller unit

ABB Advant Controller 31

Before work begins

- 01 Confirm the exact 07KT97 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable ABB discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

Manufacturer	ABB
Exact Article Code	07KT97
Product Family	ABB Advant Controller 31
Component Type	Programmable Controller Unit
System Class	DCS System
Mounting Format	Plug-in control rack
System Interface	CS31 system bus
Control Supply	24 V DC / 0.35 A max
Channel Capacity	24 DI / 16 DO / 8 DIO
Signal Standard	8 AI / 4 AO integrated

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

- 01 I/O and diagnostic functional test.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe controller, interface and equipment diagnostics..
- 05 Test the connected signal, network, motor or power function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

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