

Installation Instructions

3BHE012095R0002 UAD141A02

control module

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHE012095R0002 UAD141A02 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

Operating Voltage	24V DC ($\pm 10\%$)
Power Consumption	15-30W (typical)
Inrush Current	<5A for 20ms
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5% to 95% (non-condensing)
Clock Speed	500-800 MHz
RAM	256MB-512MB DDR
Flash Storage	512MB-1GB
Digital Inputs	16-32 channels

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 Control Module.

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.