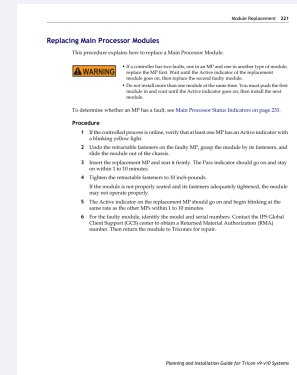


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Invensys Triconex 3007

Main Processor Module



PRODUCT	3007
FAMILY	Tricon v9-v10
FUNCTION	Main Processor Module
STATUS	Verify exact configuration

Prepared by Amikon Limited from Invensys 9700077-012, February 2009. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Compatible controller versions	Tricon v9.0-v9.5.x and v9.51.x
Central processor	National NS32GX32, 32-bit, 25 MHz
Math co-processor	National NS32381, 32-bit, 25 MHz
EPROM capacity	512 KB
SRAM capacity	1 MB
Clock calendar	Battery-backed time and date
Clock drift	+/-2 seconds/day typical; +/-8.6 seconds/day maximum

02 MOUNTING AND CONNECTION

- Confirm the exact 3007 identity and controller-version compatibility.
- For an online process, verify at least one Main Processor has a blinking yellow Active indicator.
- Remove only the faulty processor using its retractable fasteners.
- Seat the replacement firmly and tighten fasteners to 10 inch-pounds.
- Allow the documented 1-10 minutes for Pass and matching blinking Active indications.

Replacing Main Processor Modules

This procedure explains how to replace a Main Processor Module.



- If a controller has two faults, one in an MP and one in another type of module, replace the MP first. Wait until the Active indicator of the replacement module goes on, then replace the second faulty module.
- Do not install more than one module at the same time. You must push the first module in and wait until the Active indicator goes on, then install the next module.

To determine whether an MP has a fault, see [Main Processor Status Indicators](#) on page 233.

Procedure

- 1 If the controlled process is online, verify that at least one MP has an Active indicator with a blinking yellow light.
- 2 Undo the retractable fasteners on the faulty MP, grasp the module by its fasteners, and slide the module out of the chassis.
- 3 Insert the replacement MP and seat it firmly. The Pass indicator should go on and stay on within 1 to 10 minutes.
- 4 Tighten the retractable fasteners to 10 inch-pounds.
If the module is not properly seated and its fasteners adequately tightened, the module may not operate properly.
- 5 The Active indicator on the replacement MP should go on and begin blinking at the same rate as the other MPs within 1 to 10 minutes.
- 6 For the faulty module, identify the model and serial numbers. Contact the IPS Global Client Support (GCS) center to obtain a Returned Material Authorization (RMA) number. Then return the module to Triconex for repair.

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CABLE ROUTING AND CONNECTION

- For an online process, verify at least one Main Processor has a blinking yellow Active indicator.
- Remove only the faulty processor using its retractable fasteners.
- Seat the replacement firmly and tighten fasteners to 10 inch-pounds.
- Allow the documented 1-10 minutes for Pass and matching blinking Active indications.
- Do not install more than one module at the same time.

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INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Confirm normal indications and fault-contact state after commissioning.
- Record the installed order number and baseline operating condition.

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CONTROLLED DOCUMENTS

Official source	Invensys 9700077-012, February 2009
Product record	3007
Manufacturer	Invensys Triconex
Support	INFO@AMIKON.CN