

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Triconex 3700A

TMR Analog Input Module

PRODUCT	3700A
MODULE TYPE	TMR Analog Input Module
SLOT KEYING	I/O slot keys: top 003, bottom 006
SOURCE	Tricon v9-v10 Planning and Installation Guide

Prepared by Amikon Limited from the official Triconex planning and installation guide. This quick guide does not replace controlled manufacturer procedures, site safety rules or the complete system manual.

01

CONFIRM THE ORDERED CONFIGURATION

- Confirm the exact module model is 3700A.
- I/O slot keys: top 003, bottom 006
- Record the installed chassis, logical slot, firmware or system revision and termination arrangement.
- Place the controlled process in the site-approved safe condition before work begins.

02

MOUNTING AND CONNECTION

- Use the separate External Termination Panel and documented cable interface.
- Connect differential, DC-coupled 0-5 VDC inputs or 0-20 mA loops with the specified 250 Ohm shunt.
- Keep channel common-mode voltage within -12 V to +12 V peak.
- Verify grounding, shielding and channel polarity before inserting the module.

03

SAFETY AND HANDLING

- Use trained personnel and follow the site's lockout, permit and functional-safety procedures.
- Protect the module from electrostatic discharge and avoid touching connector contacts.
- Do not force a module into a slot; verify the mechanical keys before insertion.
- Do not replace modules in a hazardous location unless the area is known to be free of ignitable gas concentrations.

04

COMMISSIONING CHECKS

- Verify PASS, FAULT and ACTIVE module-status indicators.
- Check representative channel values against a known input source.
- Confirm scaling for 0-5 VDC or 0-20 mA operation and the +6% over-range requirement.
- Investigate sustained channel mis-compares before returning the system to service.

05

FINAL RELEASE

- Compare the saved configuration and field wiring with the approved drawings.
- Clear only understood faults and record all diagnostic results.
- Return the process to service only after the responsible engineer accepts the functional test.
- Retain the exact model, source manual reference and maintenance record for future replacement.

Do not infer compatibility from appearance or a partial model number.