

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Triconex 3806E

High-Current TMR Analog Output Module

PRODUCT	3806E
MODULE TYPE	High-Current TMR Analog Output Module
SLOT KEYING	I/O slot keys: top 006, bottom 003
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 3806E.
- I/O slot keys: top 006, bottom 003
- 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

- Provide redundant external loop power through the documented termination panel.
- Use points 2-4 and 6-8 only for 4-20 mA loads and points 1 and 5 for 20-320 mA loads.
- Verify load resistance against the selected loop voltage before commissioning.
- Observe the documented total-current and ambient-temperature de-rating limits.

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, ACTIVE, LOAD, PWR1 and PWR2 indications.
- Measure representative 4-20 mA and 20-320 mA outputs against approved commands.
- Confirm open-loop detection and both loop-power sources.
- Check the configured load, external power, temperature de-rating and channel-fault transfer time.

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.