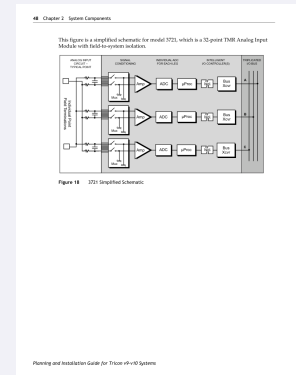


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Invensys Triconex 3721

TMR Differential Analog Input Module



PRODUCT	3721
FAMILY	Tricon v9-v10
FUNCTION	TMR Differential Analog Input 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

Input signals	32 differential, DC-coupled
Input update rate	10 ms
Programmable resolution	12 bits or 14 bits
Input accuracy	Less than 0.15% of FSR, 0-60 degrees C
DC input resistance	10 Mohm minimum
Power-off input resistance	140 kohm DC, typical
Common-mode rejection	-85 dB typical, DC-100 Hz

02 MOUNTING AND CONNECTION

- Confirm the installed Tricon release is v10.2 or later.
- Verify TriStation resolution, polarity and engineered scaling before exchange.
- Check the external termination and any required 250 ohm current shunts.
- Respect the -12 to +12 V peak common-mode range.
- Before removal, confirm the replacement or hot spare is Active and the faulty module is not.

This figure is a simplified schematic for model 3721, which is a 32-point TMR Analog Input Module with field-to-system isolation.

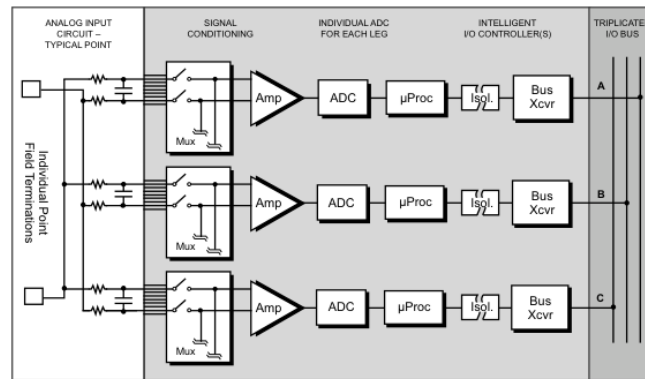


Figure 18 3721 Simplified Schematic

04

CABLE ROUTING AND CONNECTION

- Verify TriStation resolution, polarity and engineered scaling before exchange.
- Check the external termination and any required 250 ohm current shunts.
- Respect the -12 to +12 V peak common-mode range.
- Before removal, confirm the replacement or hot spare is Active and the faulty module is not.
- Prove representative input values and check Pass, Fault, Active and Field indications.

05

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.

06

CONTROLLED DOCUMENTS

Official source	Invensys 9700077-012, February 2009
Product record	3721
Manufacturer	Invensys Triconex
Support	INFO@AMIKON.CN