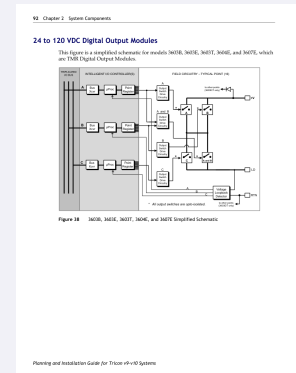


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Invensys Triconex 3604E
TMR Digital Output Module



PRODUCT	3604E
FAMILY	Tricon v9-v10
FUNCTION	TMR Digital Output 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

Output signals	16, non-commoned
Operating voltage range	22-45 VDC
Continuous current limit	2 A per point maximum
Surge current limit	10 A for 10 ms maximum
Off-state load leakage	2 mA maximum
Field termination fuse	One 2.5 A fast-acting fuse per output
Point isolation	1500 VDC minimum

02 MOUNTING AND CONNECTION

- Identify the 3604E and its sixteen non-commoned field outputs.
- Check 22-45 VDC field power and the approved termination wiring.
- Provide one 2.5 A fast-acting field fuse for every output.
- Supply all points, including unused non-commoned termination points.
- Check 2 A continuous current and 10 A for 10 ms surge limits.

24 to 120 VDC Digital Output Modules

This figure is a simplified schematic for models 3603B, 3603E, 3603T, 3604E, and 3607E, which are TMR Digital Output Modules.

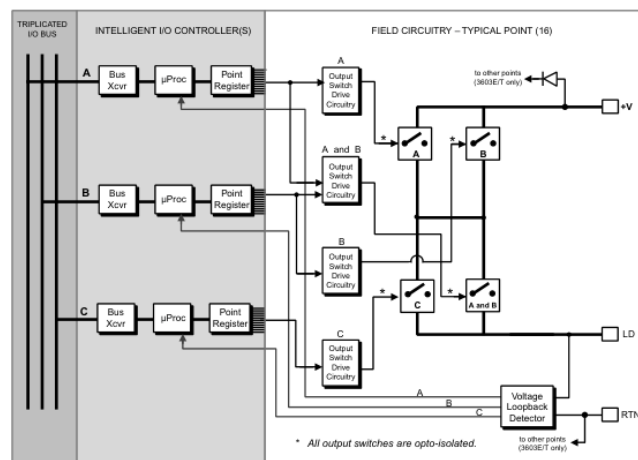


Figure 38 3603B, 3603E, 3603T, 3604E, and 3607E Simplified Schematic

04

CABLE ROUTING AND CONNECTION

- Check 22-45 VDC field power and the approved termination wiring.
- Provide one 2.5 A fast-acting field fuse for every output.
- Supply all points, including unused non-commoned termination points.
- Check 2 A continuous current and 10 A for 10 ms surge limits.
- Test output response, diagnostic pulses and Load/Fuse indication.

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	3604E
Manufacturer	Invensys Triconex
Support	INFO@AMIKON.CN