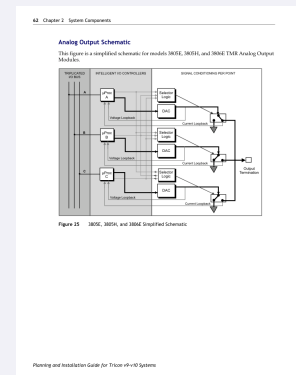


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Invensys Triconex 3805E
TMR Analog Output Module



PRODUCT	3805E
FAMILY	Tricon v9-v10
FUNCTION	TMR Analog 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 points	8
Return arrangement	Commoned return, DC-coupled
Output resolution	12 bits
Nominal output current	4-20 mA
Extended output capability	2-21.2 mA
Output accuracy	Less than 0.25% of 0-21.2 mA FSR, within 4-20 mA, 0-60 degrees C
External loop voltage	24 VDC nominal; 42.5 VDC maximum; reverse-voltage protected

02 MOUNTING AND CONNECTION

- Confirm 3805E identity and the commoned-return termination arrangement.
- Provide external loop power through the correct termination panel.
- Check required supply voltage against each loop load and the 1 A minimum table rating.
- Do not infer adequate load voltage from Pwr1 or Pwr2 alone.
- Before removal, ensure an active replacement or hot spare and an inactive faulty module.

Analog Output Schematic

This figure is a simplified schematic for models 3805E, 3805H, and 3806E TMR Analog Output Modules.

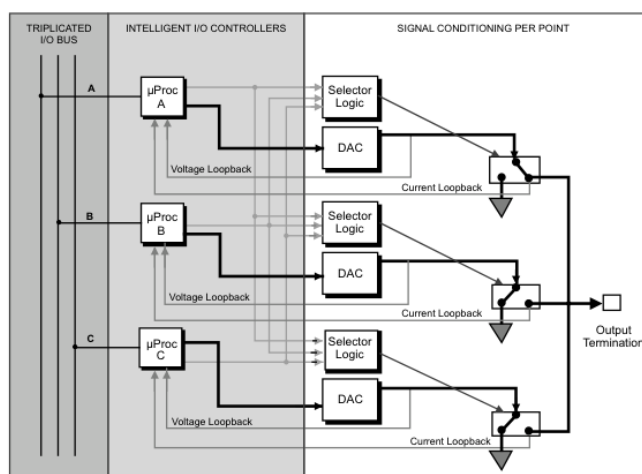


Figure 25 3805E, 3805H, and 3806E Simplified Schematic

04

CABLE ROUTING AND CONNECTION

- Provide external loop power through the correct termination panel.
- Check required supply voltage against each loop load and the 1 A minimum table rating.
- Do not infer adequate load voltage from Pwr1 or Pwr2 alone.
- Before removal, ensure an active replacement or hot spare and an inactive faulty module.
- Verify commanded output current and Pass, Fault, Active, Load, Pwr1 and Pwr2 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	3805E
Manufacturer	Invensys Triconex
Support	INFO@AMIKON.CN