



T8431C

Trusted TMR 24 Vdc Analog Input Module

INSTALLATION AND COMMISSIONING WORKBOOK

1

IDENTIFY

2

ISOLATE

3

INSTALL

4

VERIFY

Preparation gate

Complete these checks before disconnecting the installed product.

1	Confirm T8431C, hardware revision and the assigned Trusted slot.	☐
2	Place affected process loops in the approved maintenance condition.	☐
3	Isolate loop power and record polarity, shield and barrier details.	☐
4	Verify the matched termination assembly and 250 ohm field interface.	☐

PRE-WORK RECORD

Work order	_____	Drawing / revision	_____
Checked by	_____	Date	_____

Installation and connection sequence

Install T8431C in a T8100 or T8300 I/O-module slot with the matched analog-input termination assembly. Confirm the 250 ohm field interface, loop polarity, channel calibration and Toolset scaling before accepting live process measurements.

05

Confirm Toolset channel scaling, thresholds and SOE configuration.

06

Use the approved calibration procedure and traceable source equipment.

07

Review slice discrepancy and line-fault diagnostics for each channel.

08

Complete zero, span and process-response checks before release.

Commissioning record

Record the controlled checks used to release this exact product.

1. Identity / article	PASS / FAIL	_____

2. Mechanical installation	PASS / FAIL	_____

3. Power / wiring	PASS / FAIL	_____

4. Grounding / shielding	PASS / FAIL	_____

5. Configuration	PASS / FAIL	_____

6. Signal response	PASS / FAIL	_____

7. Diagnostics / alarms	PASS / FAIL	_____

8. Final release	PASS / FAIL	_____

MODEL-SPECIFIC ACCEPTANCE

Confirm T8431C identity and revision, T8100/T8300 slot, analog termination assembly, loop power and polarity, 250 ohm interface, barriers, shielding, Toolset scaling and thresholds, calibration record and controlled process tests before commissioning.

Engineering navigation and closeout

Eight different validated product pages for related system planning.

VALIDATED RELATED ENGINEERING PAGES	
01	TC-001-02-2M5 Apter Power product page
02	T8235 Apter Power product page
03	TC-301-02-15M0 Apter Power product page
04	TC-302-02-4M0 Apter Power product page
05	TC-303-02-4M0 Apter Power product page
06	TC-311-02 Apter Power product page
07	T8830C Apter Power product page
08	T8431C Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE

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