



T8451C

Trusted TMR 24 Vdc Digital Output 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 T8451C, hardware revision and Trusted slot assignment.	☐
2	Place final elements in the approved safe maintenance state.	☐
3	Isolate all five field-power groups and the affected system supply.	☐
4	Record channel, group return, shield and protective-earth wiring.	☐

PRE-WORK RECORD

Work order		Drawing / revision	
Checked by		Date	

Installation and connection sequence

Install T8451C in a T8100 or T8300 I/O slot with the matched 24 Vdc digital-output termination hardware and preserve its five field-power groups. Verify ambient-temperature derating, channel current, measured output diagnostics and latching short-circuit recovery before service release.

05

Confirm termination hardware, keying and module grouping.

06

Check load-current totals against the cabinet temperature derating.

07

Restore the validated Toolset definition and clear protection latches correctly.

08

Command and prove every affected output and diagnostic 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 T8451C identity and revision, T8100/T8300 slot, 24 Vdc termination assembly, five supply groups, ambient derating, channel loads, grounding, Toolset and firmware/application versions, protection reset and complete final-element test before commissioning.

Engineering navigation and closeout

Eight different validated product pages for related system planning.

VALIDATED RELATED ENGINEERING PAGES	
01	TC-311-02 Apter Power product page
02	T8830C Apter Power product page
03	T8431C Apter Power product page
04	T8403C Apter Power product page
05	T9110 Apter Power product page
06	T8151B Apter Power product page
07	T9852 Apter Power product page
08	T9100 Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE

Trusted TMR 24 Vdc Digital Output Module 40 Channel | ICSTT-RM280O-EN-P, August 2021

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



T8451C