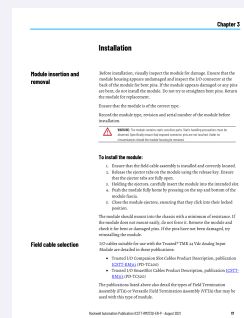


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

T8431CX

Trusted Analogue Input Module



PRODUCT	T8431CX
FAMILY	Trusted TMR 24 Vdc analogue input modules
FUNCTION	Trusted Analogue Input Module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Rockwell Automation / ICS Triplex documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Input Channels	40 triplicated analogue inputs
Signal Range	0 to 22 mA
Voltage Measurement Range	0 to 5.5 V DC
Backplane Supply	20 to 32 V DC
Maximum Power Dissipation	20 W
FTA Input Impedance	250 ohms

02

PREPARATION AND CONNECTION

- Confirm the complete T8431CX article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

Chapter 3

Installation

Module insertion and removal

Before installation, visually inspect the module for damage. Ensure that the module housing appears undamaged and inspect the I/O connector at the back of the module for bent pins. If the module appears damaged or any pins are bent, do not install the module. Do not try to straighten bent pins. Return the module for replacement.

Ensure that the module is of the correct type.

Record the module type, revision and serial number of the module before installation.



WARNING: The module contains static sensitive parts. Static handling precautions must be observed. Specifically ensure that exposed connector pins are not touched. Under no circumstances should the module housing be removed.

To install the module:

1. Ensure that the field cable assembly is installed and correctly located.
2. Release the ejector tabs on the module using the release key. Ensure that the ejector tabs are fully open.
3. Holding the ejectors, carefully insert the module into the intended slot.
4. Push the module fully home by pressing on the top and bottom of the module fascia.
5. Close the module ejectors, ensuring that they click into their locked position.

The module should mount into the chassis with a minimum of resistance. If the module does not mount easily, do not force it. Remove the module and check it for bent or damaged pins. If the pins have not been damaged, try reinstalling the module.

Field cable selection

I/O cables suitable for use with the Trusted® TMR 24 Vdc Analog Input Module are detailed in these publications:

- Trusted I/O Companion Slot Cables Product Description, publication [ICSTT-RM311](#) (PD-TC200)
- Trusted I/O SmartSlot Cables Product Description, publication [ICSTT-RM313](#) (PD-TC500)

The publications listed above also detail the types of Field Termination Assembly (FTA) or Versatile Field Termination Assembly (VFTA) that may be used with this type of module.

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Rockwell Automation Trusted TMR 24 Vdc Analog Input Module 40 Channel, ICSTT-RM273Q-EN-P
Product record	T8431CX
Manufacturer	Rockwell Automation / ICS Triplex
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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