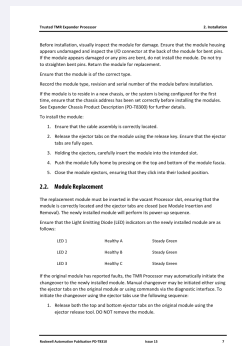


FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

T8310

TMR expander processor module



|          |                                  |
|----------|----------------------------------|
| PRODUCT  | T8310                            |
| FAMILY   | Trusted expander chassis systems |
| FUNCTION | TMR expander processor module    |
| STATUS   | Verify exact installed equipment |

Prepared by Amikon Limited from Trusted TMR Processor System documentation. This guide supplements the complete manufacturer manual and site procedure.

01

## CONFIRM THE ORDERED CONFIGURATION

|                   |                           |
|-------------------|---------------------------|
| Architecture      | HIFT TMR, 3-2-0 operation |
| Backplane Supply  | 20 to 32 V DC             |
| Power Dissipation | 45 W                      |
| Module Position   | T8300 slots PL1 or PL2    |
| Isolation         | 50 V basic insulation     |
| Fusing            | Not user-serviceable      |

02

## PREPARATION AND CONNECTION

- Confirm the complete T8310 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.

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.

If the module is to reside in a new chassis, or the system is being configured for the first time, ensure that the chassis address has been set correctly before installing the modules. See Expander Chassis Product Description (PD-T8300) for further details.

To install the module:

1. Ensure that the cable assembly is 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.

### 2.2. Module Replacement

The replacement module must be inserted in the vacant Processor slot, ensuring that the module is correctly located and the ejector tabs are closed (see Module Insertion and Removal). The newly installed module will perform its power-up sequence.

Ensure that the Light Emitting Diode (LED) indicators on the newly installed module are as follows:

|       |           |              |
|-------|-----------|--------------|
| LED 1 | Healthy A | Steady Green |
| LED 2 | Healthy B | Steady Green |
| LED 3 | Healthy C | Steady Green |

If the original module has reported faults, the TMR Processor may automatically initiate the changeover to the newly installed module. Manual changeover may be initiated either using the ejector tabs on the original module or using commands via the diagnostic interface. To initiate the changeover using the ejector tabs use the following sequence:

1. Release both the top and bottom ejector tabs on the original module using the ejector release tool. DO NOT remove the 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 | ICS Triplex official manufacturer documentation |
| Product record  | T8310                                           |
| Manufacturer    | Trusted TMR Processor System                    |
| Warranty        | 12 months from AMIKON                           |
| Support         | INFO@AMIKON.CN                                  |

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM