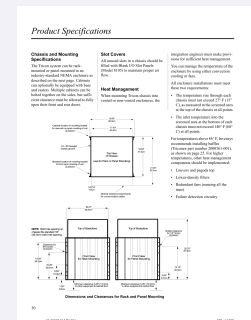


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

8105

Blank I/O slot panel



PRODUCT	8105
FAMILY	Triconex safety system
FUNCTION	Blank I/O slot panel
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Triconex documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Component Type	Blank I/O slot panel
Order Reference	8105
System Platform	Triconex safety control system
Primary Function	Closes unused chassis positions
Circuit Capacity	One vacant I/O slot
Nominal Supply	Passive airflow component

02

PREPARATION AND CONNECTION

- Confirm the complete 8105 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.

Product Specifications

Chassis and Mounting Specifications

The Tricon system can be rack-mounted or panel-mounted in an industry-standard NEMA enclosure as described on the next page. Cabinets can optionally be equipped with base and casters. Multiple cabinets can be bolted together on the sides, but sufficient clearance must be allowed to fully open their front and rear doors.

Slot Covers

All unused slots in a chassis should be filled with Blank I/O Slot Panels (Model 8105) to maintain proper air flow.

Heat Management

When mounting Tricon chassis into vented or non-vented enclosures, the

integration engineer must make provisions for sufficient heat management.

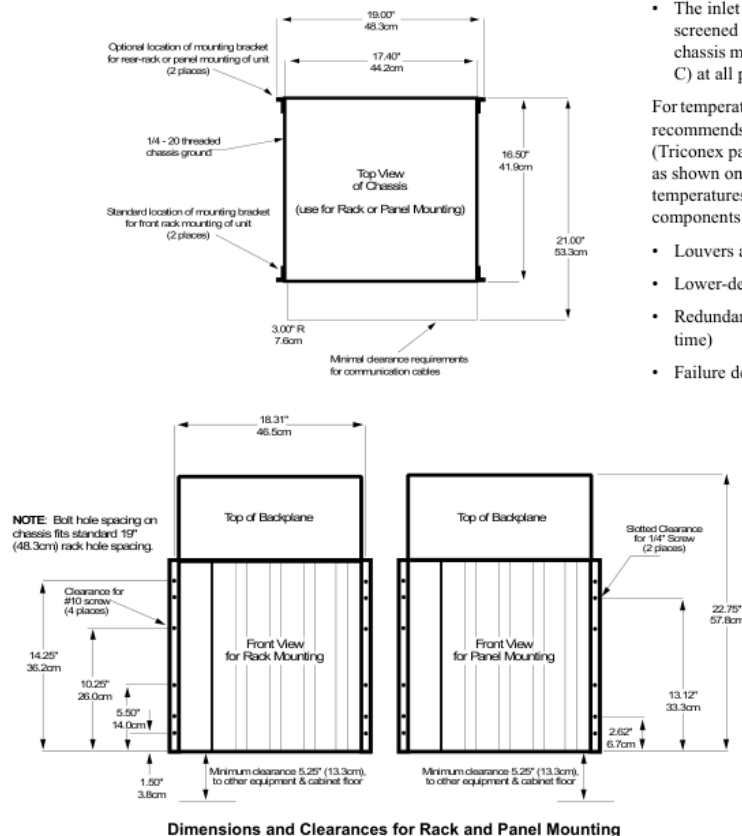
You can manage the temperature of the enclosure by using either convection cooling or fans.

All enclosure installations must meet these two requirements:

- The temperature rise through each chassis must not exceed 27° F (15° C), as measured at the screened area at the top of the chassis at all points.
- The inlet temperature into the screened area at the bottom of each chassis must not exceed 140° F (60° C) at all points.

For temperatures above 86° F, Invensys recommends installing baffles (Triconex part number 2000361-001), as shown on page 25. For higher temperatures, other heat management components should be implemented:

- Louvers and pagoda top
- Lower-density filters
- Redundant fans (running all the time)
- Failure detection circuitry



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	Tricon Technical Product Guide
Product record	8105
Manufacturer	Triconex
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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