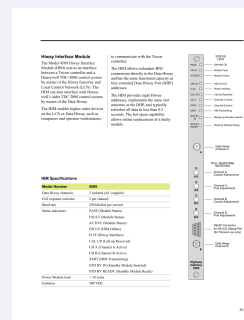


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

7400072-001

Hiway interface module



PRODUCT	7400072-001
FAMILY	Triconex safety system
FUNCTION	Hiway interface module
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	Hiway interface module
Order Reference	7400072-001
System Platform	Triconex safety control system
Primary Function	Links Tricon to TDC Data Hiway
Circuit Capacity	Two isolated Hiway channels
Nominal Supply	Below 10 W chassis load

02

PREPARATION AND CONNECTION

- Confirm the complete 7400072-001 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.

Hiway Interface Module

The Model 4509 Hiway Interface Module (HIM) acts as an interface between a Tricon controller and a Honeywell TDC-3000 control system by means of the Hiway Gateway and Local Control Network (LCN). The HIM can also interface with Honeywell's older TDC 2000 control system by means of the Data Hiway.

The HIM enables higher-order devices on the LCN or Data Hiway, such as computers and operator workstations,

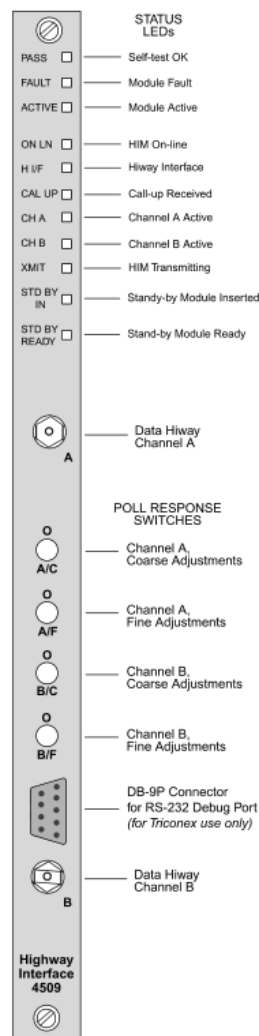
to communicate with the Tricon controller.

The HIM allows redundant BNC connections directly to the Data Hiway and has the same functional capacity as four extended Data Hiway Port (DHP) addresses.

The HIM provides eight Hiway addresses, implements the same slot structure as the DHP, and typically refreshes all data in less than 0.5 seconds. The hot-spare capability allows online replacement of a faulty module.

HIM Specifications

Model Number	4509
Data Hiway channels	2 isolated (AC coupled)
Poll response switches	2 per channel
Baud rate	250 kilobits per second
Status indicators	PASS (Module Status) FAULT (Module Status) ACTIVE (Module Status) ON LN (HIM Online) H I/F (Hiway Interface) CAL UP (Call-up Received) CH A (Channel A Active) CH B (Channel B Active) XMIT (HIM Transmitting) STD BY IN (Standby Module Inserted) STD BY READY (Standby Module Ready)
Power Module load	< 10 watts
Isolation	500 VDC



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	7400072-001
Manufacturer	Triconex
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM