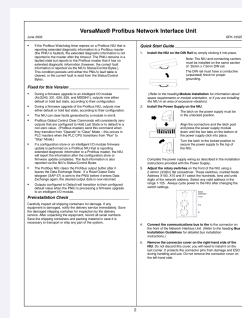


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC200PBI001-MH

PROFIBUS-DP network interface unit



PRODUCT	IC200PBI001-MH
FAMILY	VersaMax network interfaces
FUNCTION	PROFIBUS-DP network interface unit
STATUS	Verify exact installed equipment

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

01

CONFIRM THE ORDERED CONFIGURATION

Network Role	PROFIBUS-DP slave
Node Address	1 to 125
Data Rate	9.6 kbit/s to 12 Mbit/s auto-detected
I/O Data	375 bytes maximum
Input Data	Up to 244 input bytes
Output Data	Up to 244 output bytes

02

PREPARATION AND CONNECTION

- Confirm the complete IC200PBI001-MH 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.

VersaMax® Profibus Network Interface Unit

June 2002

GFK-1552D

- If the Profibus Watchdog timer expires on a Profibus NIU that is reporting extended diagnostic information to a Profibus master (the PNIU is faulted), the extended diagnostic information is not reported to the master after the timeout. The PNIU remains in a faulted state but reports to the Profibus master that it has no extended diagnostic information (however, the correct fault information is reported via the NIU's Status/Control Bytes.). This condition persists until either the PNIU's fault table is cleared, or the current fault is read from the Status/Control Bytes.

Fixed for this Version

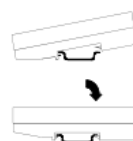
- During a firmware upgrade to an intelligent I/O module (ALG240, 331, 620, 630, and MDD841), outputs now either default or hold last state, according to their configuration.
- During a firmware upgrade of the Profibus NIU, outputs now either default or hold last state, according to their configuration.
- The NIU can clear faults generated by a module in slot 8.
- Profibus Global Control Clear Commands will consistently zero outputs that are configured to Hold Last State or to default to a non-zero value. (Profibus masters send this command when they transition from "Operate" to "Clear" Mode – this occurs in PLC masters when the PLC CPU transitions from "Run" to "Stop" Mode.)
- If a configuration store or an intelligent I/O module firmware update is performed on a Profibus NIU that is reporting extended diagnostic information to a Profibus master, the NIU will report the information after the configuration store or firmware update completes. The fault information is also reported via the NIU's Status/Control Bytes.
- The Profibus NIU clears the Profibus output buffer after it leaves the Data Exchange State. If a Read Output Data telegram (SAP 57) is sent to the PNIU before it enters Data Exchange again, the cleared output data is now returned.
- Outputs configured to Default will transition to their configured default value when the PNIU is processing a firmware upgrade to an intelligent I/O module.

Preinstallation Check

Carefully inspect all shipping containers for damage. If any equipment is damaged, notify the delivery service immediately. Save the damaged shipping container for inspection by the delivery service. After unpacking the equipment, record all serial numbers. Save the shipping containers and packing material in case it is necessary to transport or ship any part of the system.

Quick Start Guide

1. **Install the NIU on the DIN Rail** by simply clicking it into place.

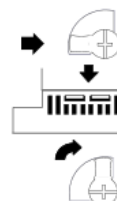


Note: The NIU and connecting carriers must be installed on the same section of 35mm x 7.5mm DIN rail.

The DIN rail must have a conductive (unpainted) finish for proper grounding.

(Refer to the heading **Module Installation** for information about space requirements or module orientation, or if you are installing the NIU in an area of excessive vibration).

2. **Install the Power Supply on the NIU.**



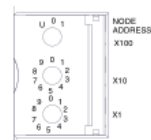
The latch on the power supply must be in the unlocked position.

Align the connectors and the latch post and press the power supply module down until the two tabs on the bottom of the power supply click into place.

Turn the latch to the locked position to secure the power supply to the top of the NIU.

Complete the power supply wiring as described in the installation instructions provided with the Power Supply.

3. **Adjust the rotary switches** on the front of the NIU using a 2.44mm (3/32in) flat screwdriver. These switches, marked Node Address X100, X10 and X1 select the hundreds, tens and units digits of the network address. Select any valid address in the range 1-125. Always cycle power to the NIU after changing the switch settings.



4. **Connect the communications bus to the** the connector on the front of the Network Interface Unit. (Refer to the heading **Bus Installation Guidelines** for detailed bus installation instructions.)
5. **Remove the connector cover on the right-hand side of the NIU.** Do not discard this cover; you will need to install it on the last carrier. It protects the connector pins from damage and ESD during handling and use. Do not remove the connector cover on the left-hand side.

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	GE official manufacturer documentation
Product record	IC200PBI001-MH
Manufacturer	GE VersaMax
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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