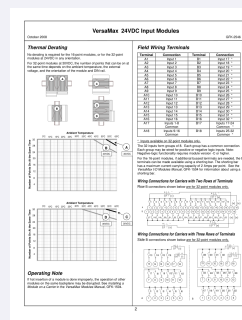


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC200MDL650L
32-point DC input module



PRODUCT	IC200MDL650L
FAMILY	VersaMax discrete I/O
FUNCTION	32-point DC input module
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

Input Voltage	0 to 30 V DC
Nominal Voltage	24 V DC
Discrete Inputs	32
Input Groups	4 groups of 8
Input Logic	Positive or negative
Input Impedance	10 k Ω

02 PREPARATION AND CONNECTION

- Confirm the complete IC200MDL650L 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 24VDC Input Modules

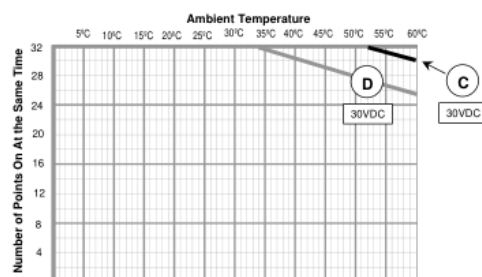
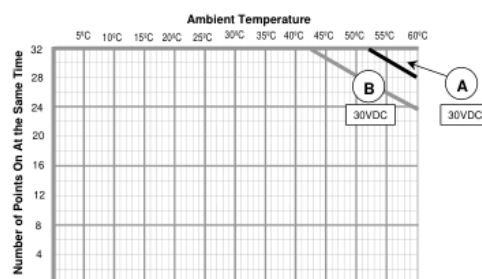
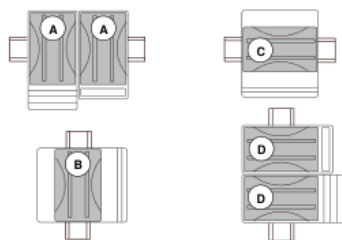
October 2008

GFK-2546

Thermal Derating

No derating is required for the 16-point modules, or for the 32-point modules at 24VDC in any orientation.

For 32-point modules at 30VDC, the number of points that can be on at the same time depends on the ambient temperature, the external voltage, and the orientation of the module and DIN rail.



Operating Note

If hot insertion of a module is done improperly, the operation of other modules on the same backplane may be disrupted. See *Installing a Module on a Carrier* in the *VersaMax Modules Manual*, GFK-1504.

Field Wiring Terminals

Terminal	Connection	Terminal	Connection
A1	Input 1	B1	Input 17 *
A2	Input 2	B2	Input 18 *
A3	Input 3	B3	Input 19 *
A4	Input 4	B4	Input 20 *
A5	Input 5	B5	Input 21 *
A6	Input 6	B6	Input 22 *
A7	Input 7	B7	Input 23 *
A8	Input 8	B8	Input 24 *
A9	Input 9	B9	Input 25 *
A10	Input 10	B10	Input 26 *
A11	Input 11	B11	Input 27 *
A12	Input 12	B12	Input 28 *
A13	Input 13	B13	Input 29 *
A14	Input 14	B14	Input 30 *
A15	Input 15	B15	Input 31 *
A16	Input 16	B16	Input 32 *
A17	Inputs 1-8 Common	B17	Inputs 17-24 Common *
A18	Inputs 9-16 Common	B18	Inputs 25-32 Common *

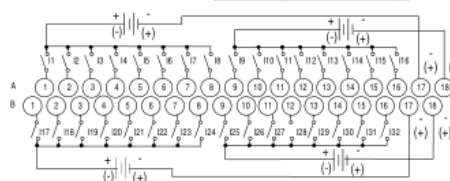
* Inputs available on 32-point modules only.

The 32 inputs form groups of 8. Each group has a common connection. Each group may be wired for positive or negative logic inputs. Note: Negative-logic functionality requires module version -C or higher.

For the 16-point modules, if additional bussed terminals are needed, the B terminals can be made available using a shorting bar. The shorting bar has a maximum current-carrying capacity of 2 Amps per point. See the *VersaMax I/O Modules Manual*, GFK-1504 for information about using a shorting bar.

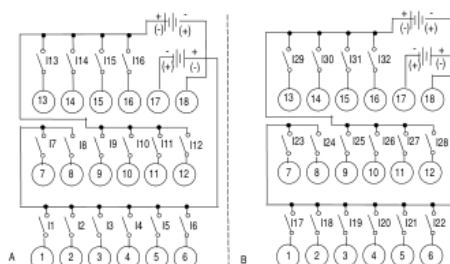
Wiring Connections for Carriers with Two Rows of Terminals

Row B connections shown below are for 32-point modules only.



Wiring Connections for Carriers with Three Rows of Terminals

Side B connections shown below are for 32-point modules only.



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	IC200MDL650L
Manufacturer	GE VersaMax
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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AMIKONG.COM