MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GENERAL ELECTRIC

IC200MDL930

VERSAMAX EIGHT-POINT ISOLATED RELAY OUTPUT MODULE

Used with the applicable VersaMax modular I/O configuration.

REFERENCE PACKAGE

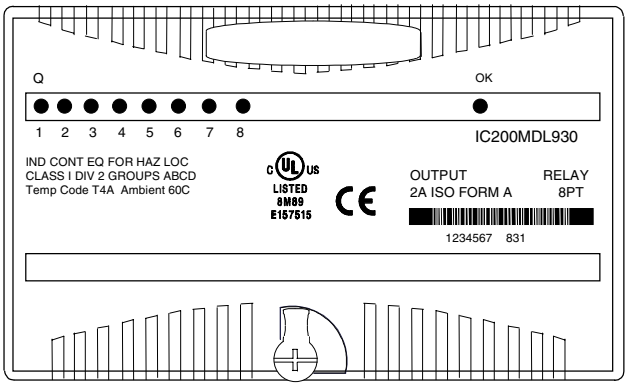
OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: VersaMax Modules, Power Supplies and Carriers User's Manual GFK-1504K

IC200MDL930
Output Module, Relay 2.0 Amp Isolated Form A 8 Points

Relay output module IC200MDL930 provides 8 individually-isolated Form A relay outputs. The contact is closed when the host CPU is active and the corresponding output logic bit is "1".



Power for module operation comes from the backplane. Loads must be powered by an external source.

Intelligent processing for this module is performed by the CPU or NIU. The module receives 8 bits of discrete output data.

LED Indicators

Individual green logic-side LEDs indicate the On/Off status of each output point. Output LEDs are logic-driven and independent of the load conditions.

The green OK LED is ON when backplane power is present to the module.

IC200MDL930
Output Module, Relay 2.0 Amp Isolated Form A 8 Points

Module Specifications

Module Characteristics	
Points	8 individually isolated Form A relay outputs
Module ID	FFFF8040
Isolation: User input to logic (optical) and to frame ground Group to group Point to point	 250VAC continuous; 1500VAC for 1 minute Not applicable 250VAC continuous; 1500VAC for 1 minute
LED indicators	One LED per point shows individual point ON/OFF status OK LED indicates backplane power is present
Backplane current consumption	5V output: 245mA maximum. See graph
External power supply	0 to 125VDC, 5/24/125VDC nominal 0 to 265VAC (47 to 63Hz), 120/240VAC nominal
Thermal derating	None
Output Characteristics	
Output voltage	0 to 125VDC, 5/24/125VDC nominal 0 to 265VAC (47 to 63Hz), 120/240VAC nominal
Output voltage drop	0.3V maximum
Load current	10mA per point minimum 2.0A for 5 to 265VAC maximum (resistive) 2.0A for 5 to 30VDC maximum (resistive) 0.2A for 31 to 125VDC maximum (resistive)
Output leakage current	Not applicable (open contact)
On response time Off response time	10ms maximum 10ms maximum
Protection	No internal fuses or snubbers
Switching frequency	20 cycles per minute (inductive load)
Relay type	Fixed coil, moving armature
Contact type	Silver alloy
Contact life	See appendix B

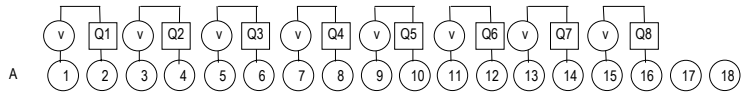
IC200MDL930
Output Module, Relay 2.0 Amp Isolated Form A 8 Points

Field Wiring

Terminal	Connection	Terminal	Connection
A1	Output 1-1	B1	No connection
A2	Output 1-2	B2	No connection
A3	Output 2-1	B3	No connection
A4	Output 2-2	B4	No connection
A5	Output 3-1	B5	No connection
A6	Output 3-2	B6	No connection
A7	Output 4-1	B7	No connection
A8	Output 4-2	B8	No connection
A9	Output 5-1	B9	No connection
A10	Output 5-2	B10	No connection
A11	Output 6-1	B11	No connection
A12	Output 6-2	B12	No connection
A13	Output 7-1	B13	No connection
A14	Output 7-2	B14	No connection
A15	Output 8-1	B15	No connection
A16	Output 8-2	B16	No connection
A17	No connection	B17	No connection
A18	No connection	B18	No connection

Outputs are individually isolated. If additional bussed terminals are needed, the B terminals can be made available by using a shorting bar. The shorting bar has a maximum current-carrying capacity of 2 Amps per point. See chapter 2 for additional information about using the shorting bar.

When wiring outputs to inductive loads, use of external suppression circuits is recommended. See chapter 2, "Installing Wiring for I/O Devices-Wiring to Inductive Loads" for more information.

Wiring Connections for Carriers with Two Rows of Terminals *IC200CHS002, 005* *IC200CHS012, 015*	
Wiring Connections for Carriers with Three Rows of Terminals *IC200CHS001, 022, 025* *IC200CHS011*	