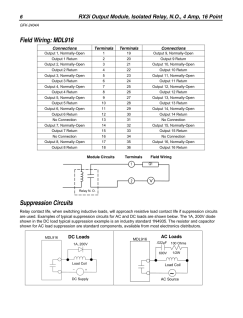
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

IC694MDL916

16-point isolated relay output module



PRODUCT	IC694MDL916
FAMILY	GE PACSystems RX3i
FUNCTION	16-point isolated relay output module
STATUS	Verify exact installed equipment

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

01 CONFIRM THE ORDERED CONFIGURATION

Output contacts	16 isolated Form A relays
DC output range	5-125 V DC
AC output range	5-250 V AC, 47-63 Hz
AC resistive current	4 A maximum at 5-250 V AC
Low-voltage DC resistive current	4 A maximum at 5-30 V DC
125 V DC resistive current	200 mA maximum

02 PREPARATION AND CONNECTION

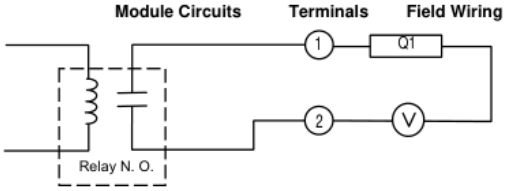
- Remove the module before setting the upper rear DIP switch.
- Match the hardware and software output-default selections.
- Wire each Form A output with its separate return.
- Evaluate load current and thermal derating before energizing.

03

OFFICIAL INSTALLATION REFERENCE

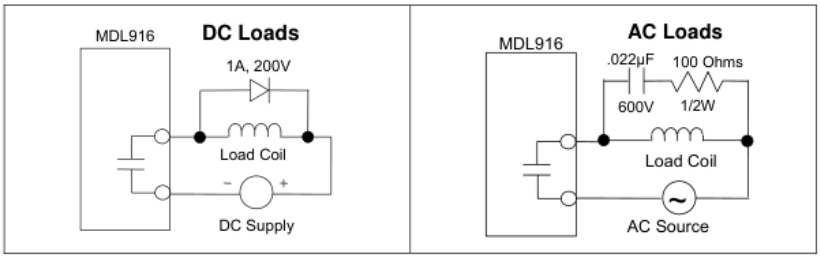
Field Wiring: MDL916

Connections	Terminals	Terminals	Connections
Output 1, Normally-Open	1	19	Output 9, Normally-Open
Output 1 Return	2	20	Output 9 Return
Output 2, Normally-Open	3	21	Output 10, Normally-Open
Output 2 Return	4	22	Output 10 Return
Output 3, Normally-Open	5	23	Output 11, Normally-Open
Output 3 Return	6	24	Output 11 Return
Output 4, Normally-Open	7	25	Output 12, Normally-Open
Output 4 Return	8	26	Output 12 Return
Output 5, Normally-Open	9	27	Output 13, Normally-Open
Output 5 Return	10	28	Output 13 Return
Output 6, Normally-Open	11	29	Output 14, Normally-Open
Output 6 Return	12	30	Output 14 Return
No Connection	13	31	No Connection
Output 7, Normally-Open	14	32	Output 15, Normally-Open
Output 7 Return	15	33	Output 15 Return
No Connection	16	34	No Connection
Output 8, Normally-Open	17	35	Output 16, Normally-Open
Output 8 Return	18	36	Output 16 Return



Suppression Circuits

Relay contact life, when switching inductive loads, will approach resistive load contact life if suppression circuits are used. Examples of typical suppression circuits for AC and DC loads are shown below. The 1A, 200V diode shown in the DC load typical suppression example is an industry standard 1N4935. The resistor and capacitor shown for AC load suppression are standard components, available from most electronics distributors.



04 COMMISSIONING CHECKS

01	Remove the module before setting the upper rear DIP switch.
02	Match the hardware and software output-default selections.
03	Wire each Form A output with its separate return.
04	Evaluate load current and thermal derating before energizing.
05	Complete the model-specific functional checks in the manufacturer instructions.
06	Record the restored configuration and test results before return to service.

05 CONTROLLED DOCUMENT

Official source	GE Fanuc GFK-2404A, March 2009; IC694MDL916 ratings, default switch and field wiring.
Product record	IC694MDL916
Manufacturer	General Electric
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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