



MAXIFLEX 8RO Module

Model M1372A 8 Channel Digital Relay Output Module.

DATASHEET



FEATURES

- Fits in any MAXIFLEX base I/O slot
- 8 individually Isolated Relay Contact Outputs
- 5A 250Vac/30Vdc Contact Rating
- LED Output Indication
- Removable Terminal Blocks connectors
- Hot Plug-in
- In system automatic module detection

The M1372A 8RO module provides 8 individual relay contact digital outputs each capable of driving 5A loads up to 250Vac/30Vdc.

The module may be inserted into any I/O slot in a Maxiflex system.

All relay contact outputs are individually isolated for maximum system flexibility.

The status of each output is displayed on a 2x4 LED matrix on the front of the module.

Outputs are available on plug-in screw terminals. The module can be inserted or removed while the system is powered.

Auto-detection capability allows the CPU to recognise the presence of this module in the system.

Each contact is equipped with a RC snubber circuit to suppress high frequency spark energy caused by contacts opening under inductive loads.

SPECIFICATIONS

Outputs

Number	8 Digital (On/Off)
Type	Normally Open Relay Contact
Dielectric Strength	3000Vac 50/60Hz for 1 minute between relay coil and contacts. 1000Vac 50/60Hz for 1 minute between contacts.
Isolation Test	100% tested to 1500Vac, 50/60Hz for 1 minute – all outputs to logic
Insulation Resistance	1000MΩ min. at 500Vdc
Relay operate time	10 milliseconds typical
Relay release time	10 milliseconds typical
Indication	Red LED on = contact closed
Maximum switching current	5 Amps
Maximum switching capacity	1250VA or 150W for resistive load. 500VA or 60W for inductive load with L/R < 7ms (L=load inductance in henry's and R=load resistance in ohms)
Open Circuit Voltage	250Vac, 125Vdc maximum
Minimum Load	5Vdc 10mA
Contact Resistance	30milliohms maximum
Operating Frequency	1800 operations/hour under full load
Service Life	300 000 operations at 2A resistive 100 000 operations at 2A inductive (see inductive load spec. above)

Output Termination

Types	Screw clamp Plug-in Terminal Blocks
Screw Terminal Wire Size	2.0mm ² maximum For manageable wiring to the module, 0.5 mm ² is recommended with 2mm overall outside diameter

Environmental

Operating Temperature	-25°C to +60°C (-13°F to +140°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Humidity	95% max. at 40°C (104°F) non-condensing.
Protection	Electronics conformally coated

Logic Power Consumption

From Logic Power Supply	60mA from 5Vdc max. 125mA from 12Vdc max 0.9W max overall
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Auto Identification Codes

Module ID	12
Scan Code	13

Mass

Excluding Packaging	300g (10.6oz)
Including Packaging	390g (13.8oz)

Ordering Information

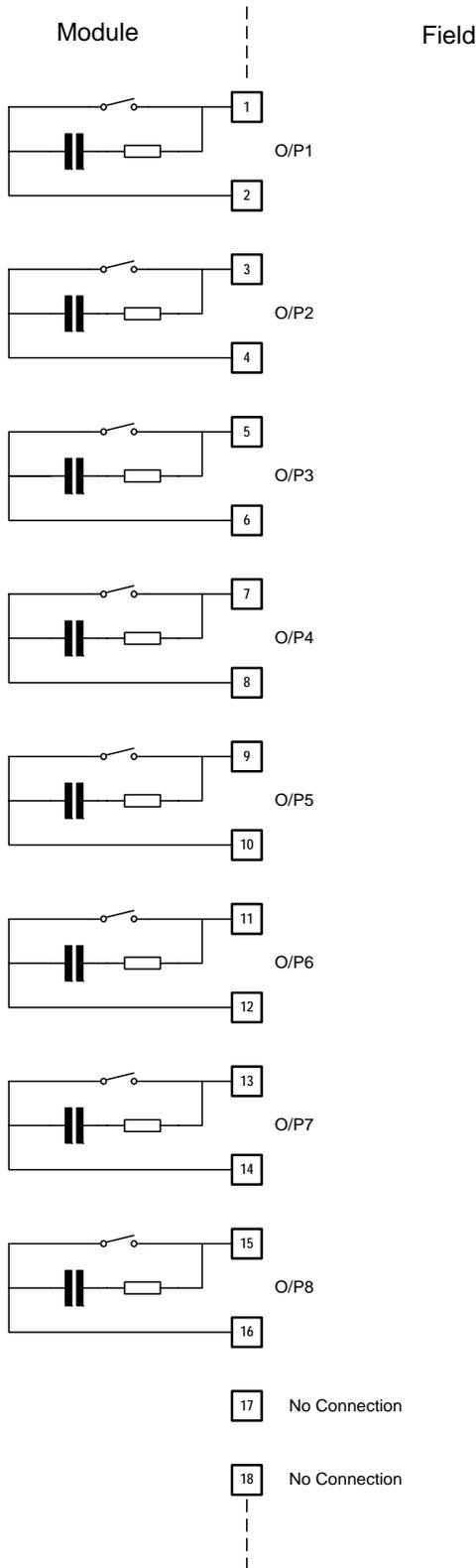
Model	Order Code
Maxiflex 8RO	M1372A



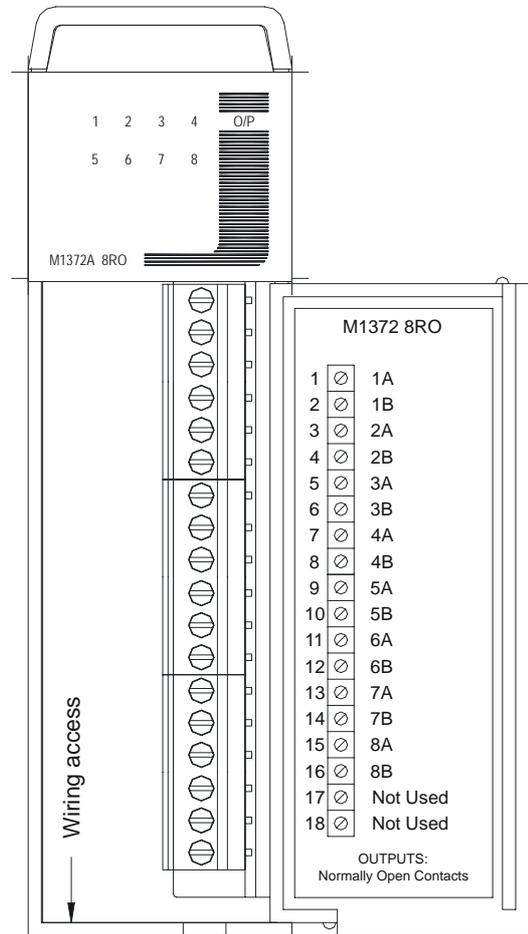
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ELECTRICAL CONNECTION



MECHANICAL CONFIGURATION



Note: The LED indicators can only be seen when illuminated.