

# MG Co., Ltd.

## MECHATROLINK-II REMOTE I/O R7 Series

### Features

- Compact, all-in-one modules
- A wide variety of sensor signal inputs
- Removable terminal blocks make the module replaceable without disconnecting wiring.
- Discrete I/O module can be attached to base analog module (R7ML Series)



### Model No. Identification

#### R7ML Series

MODEL	FUNCTION	POWER / I/O CONNECTION	
BASIC MODULE	R7ML-DA16	16-point contact input (NPN/PNP)	M3 screw terminal
	R7ML-DC16A	16-point transistor output (NPN)	M3 screw terminal
	R7ML-DC16B	16-point transistor output (PNP)	M3 screw terminal
	R7ML-DC16D	16-point transistor output (PNP, shortcircuit protection)	M3 screw terminal
	R7ML-SV4	4-point DC voltage/current input (isolated)	M3 screw terminal
	R7ML-TS4	4-point thermocouple input (isolated)	M3 screw terminal
	R7ML-RS4	4-point RTD input (isolated)	M3 screw terminal
	R7ML-LC2	2-point high speed strain gauge input (isolated)	M3 screw terminal
	R7ML-YV2	2-point DC voltage output (isolated)	M3 screw terminal
	R7ML-YS2	2-point DC current output (isolated)	M3 screw terminal
EXTENSION MODULE	R7ML-EA8	8-point extension contact input (NPN/PNP)	M3 screw terminal
	R7ML-EA16	16-point extension contact input (NPN/PNP)	M3 screw terminal
	R7ML-EC8A	8-point extension transistor output (NPN)	M3 screw terminal
	R7ML-EC16A	16-point extension transistor output (NPN)	M3 screw terminal
	R7ML-EC8B	8-point extension transistor output (PNP)	M3 screw terminal
	R7ML-EC16B	16-point extension transistor output (PNP)	M3 screw terminal
	R7ML-EC8D	8-point extension transistor output (PNP, shortcircuit protection)	M3 screw terminal
	R7ML-EC16D	16-point extension transistor output (PNP, shortcircuit protection)	M3 screw terminal

#### R7K4FML Series

MODEL	FUNCTION	POWER / I/O CONNECTION
R7K4FML-6-DA32	32-point contact input (NPN/PNP)	M3 screw terminal
R7K4FML-6-DCA32A	16-point transistor output (NPN) / 16-point contact input (NPN/PNP)	M3 screw terminal
R7K4FML-6-DC32A	32-point transistor output (NPN)	M3 screw terminal
R7K4FML-6-DC32B	32-point transistor output (PNP)	M3 screw terminal

#### R7K4DML Series

R7K4DML-B-DAC32A	16-point contact input (PNP) / 16-point transistor output (NPN)	Tension clamp terminal / e-CON connector
R7K4DML-B-DAC32B	16-point contact input (NPN) / 16-point transistor output (PNP)	Tension clamp terminal / e-CON connector
R7K4DML-B-DAC32C	16-point contact input (NPN) / 16-point transistor output (NPN)	Tension clamp terminal / e-CON connector
R7K4DML-B-DAC32D	16-point contact input (PNP) / 16-point transistor output (PNP)	Tension clamp terminal / e-CON connector

#### R7G4HML Series

R7G4HML-6-SVF4	4-point high speed DC voltage/current input (isolated)	M3 screw terminal
R7G4HML-6-YVF4	4-point high speed DC voltage output (isolated)	M3 screw terminal

### MECHATROLINK specifications

R7ML / R7G4HML Series		M-I		M-II	
		17-byte	17-byte	17-byte	32-byte
Command	Intelligent I/O	×	×	×	×
Transmission cycle		2ms	0.5ms, 1ms, 1.5ms, 2ms, 4ms, 8ms		

R7K4FML / R7K4DML Series		M-I		M-II	
		17-byte	17-byte	17-byte	32-byte
Command	Intelligent I/O	×	×	×	×
Transmission cycle		2ms	0.25ms, 0.5ms, 1ms, 1.5ms, 2ms, 4ms, 8ms		

※2.5ms, 3ms available for R7K4DML

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