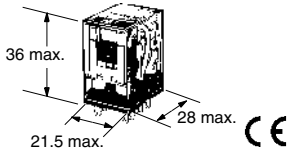
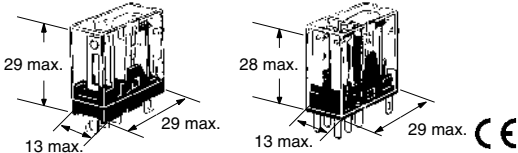









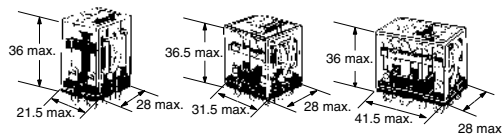
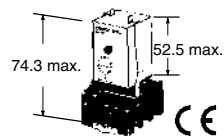
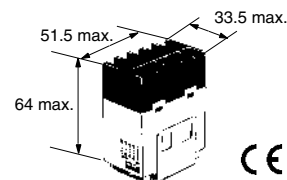



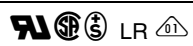




Electromechanical Relays

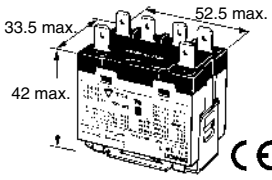
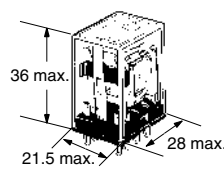








Classification		Control Panel Relay					
Model		MY			G2RS		
Appearances							
Features		Versatile relay, ideal for power and sequence control applications, meets many other application requirements.			Reliable and unique test button models now available. High switching power (1 pole: 10 A). Highly functional socket also available. The G2RS relays can be used with the G70A I/O Block - see page 71		
Contact ratings	Contact form	DPDT		4PDT	SPST-NO	SPDT	
	Mechanism	Single		Single Bifurcated	Bifurcated	Single	Bifurcated
	Material	Ag		Au-clad+Ag	Ag-alloy		
	Rated load* (Resistive load)	5 A at 250 VAC/30 VDC		3 A at 250 VAC/30 VDC	1A at 250 VAC/30 VDC	10 A at 250 VAC/30 VDC	1 A at 250 VAC/30 VDC
	Max. switched current	10 A		5 A	1 A	10 A	1 A
	Failure rate (reference value)	1 mA at 5 VDC		1 mA at 1 VDC 100 µA at 1 VDC	1 mA at 5 VDC	100 mA at 5 VDC	1 mA at 5 VDC
Coil ratings	Rated voltage	6..100/110 VDC 6..220/240 VAC			5..100 VDC 12..240 VAC		
	Power consumption (approx.)	0.9 W (DC) 0.9..1.2 VA (AC)			0.53 W (DC) 0.7..0.9 VA (AC)		
Endurance	Mechanical	50 x 10 ⁶ (AC), 100 x 10 ⁶ (DC)		20 x 10 ⁶	10 x 10 ⁶ (AC), 20 x 10 ⁶ (DC)		
	Electrical	500 x 10 ³	200 x 10 ³	100 x 10 ³	100 x 10 ³		
Dielectric strength	Between coil and contacts	2,000 VAC for 1 min.			5,000 VAC for 1 min.		
	Between contacts of different polarities	2,000 VAC for 1 min.			---		3,000 VAC for 1 min.
	Between contacts of same polarities	1,000 VAC for 1 min.			1,000 VAC for 1 min.		
	Between set and reset coil	---			---		---
Ambient temperature		-55°C..70°C			-40°C..70°C		
Function		<ul style="list-style-type: none"> Mechanical indicator LED indicator Built-in diode Built-in CR Test button Arc barriers PCB mounting types available 			<ul style="list-style-type: none"> LED indicator Test button Built-in diode 		
Sealing		Cased (unsealed)			Cased (unsealed)		
Terminal construction**							
Approved standards							
Page No.		A-7			A-21		

* Numbers in parentheses apply to cased (unsealed) types.






**  denotes PCB terminal,  plug-in (octal-pin) terminal,  plug-in/solder terminal,  quick-connect terminal, and  screw terminal.

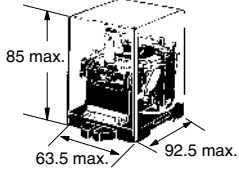
Control Panel Relay						
LY				MK-I/-S		G7J
						
Compact, general-purpose 15-A and 10-A relays ideal for many applications.				Exceptionally reliable general-purpose relay features mechanical indicator/test button.		Multi-pole power relay that withstands a momentary voltage drop. Wide range of applications with 100-V and 200-V coils. Both screw terminals and PCB terminals are available.
SPDT	DPDT		3PDT	4PDT	DPDT/3PDT	4PST-NO, 3PST-NO/SPST-NC, DPST-NO/DPST-NC
Single		Bifurcated	Single		Single	Double-break
Ag-alloy		Ag	Ag-alloy		Ag	Ag-alloy
15 A at 110 VAC/ 24 VDC	10 A at 110 VAC/ 24 VDC	5 A at 110 VAC/ 24 VDC	10 A at 110 VAC/ 24 VDC		10 A (NO), 5 A (NC) at 250 VAC/28 VDC	25 A at 220 VAC, 100,000 operations min. 25 A at 30 VDC, 100,000 operations min. (For normally closed contacts, 8 A at 220 VAC, 8 A at 30 VDC)
15 A	10 A	7 A	10 A		10 A	25 A
100 mA at 5 VDC		10 mA at 5 VDC	100 mA at 5 VDC		10 mA at 1 VDC	100 mA at 24 VDC
6..100/110 VDC 6..220/240 VAC				6..125 VDC; 6..200/220 VAC		12..100 VDC 24..200/240 VAC
0.9 W (DC) 0.9..1.2 VA (AC)		1.4 W (DC) 1.6..2.0 VA (AC)	1.5 W (DC) 1.95..2.5 VA (AC)	1.5 W (DC) 2.3..2.7 VA (AC)		Approx. 2 W (DC) Approx. 1.8..2.6 VA (AC)
50 x 10 ⁶ (AC), 100 x 10 ⁶ (DC)				5 x 10 ⁶		1 x 10 ⁶
200 x 10 ³	500 x 10 ³		200 x 10 ³		500 x 10 ³	100 x 10 ³
2,000 VAC for 1 min.				2,000 VAC for 1 min.		4,000 VAC for 1 min.
---	2,000 VAC for 1 min.			2,000 VAC for 1 min.		4,000 VAC for 1 min.
1,000 VAC for 1 min.				1,000 VAC for 1 min.		2,000 VAC for 1 min.
---				---		---
-25°C..55°C		-25°C..40°C		-10°C..40°C		-25°C..60°C
• LED indicator • Built-in diode • Built-in CR • Test button				• Mechanical indicator		• With test button
Cased (unsealed)				Cased (unsealed)		• Cased
						
						 EN, IEC
A-31				A-45		A-57

Electromechanical Relays


Classification		Control Panel Relay			Special-purpose Relay
Model		G7L			MYK Latching type
Appearances					
Features		Multi-pole power relay that withstands a momentary voltage drop. Wide range of applications with 100-V and 200-V coils. Both screw terminals and PCB terminals are available.			Magnetic latching relay ideal for memory and data transmission circuits.
Contact ratings	Contact form	SPST-NO	DPST-NO	SPST-NO, DPST-NO	DPDT
	Mechanism	Double-break			Single
	Material	Ag-alloy			Au-Plated+Ag
	Rated load* (Resistive load)	30 A at 220 VAC	25 A at 220 VAC	20 A at 220 VAC	3 A at 220 VAC/24 VDC
	Max. switched current	30 A	25 A	20 A	3 A
	Failure rate (reference value)	100 mA at 5 VDC			1 mA at 1 VDC
Coil ratings	Rated voltage	6..100 VDC 12..200/240 VAC			6..24 VDC 6..100 VAC
	Time-limit	1.9 W (DC) 1.7..2.5 VA (AC)			Set: 1.3 W (DC) 0.6..0.9 VA (AC) Reset: 0.6 W (DC) 0.2..0.5 VA (AC)
Endurance	Mechanical	1 x 10 ⁶			100 x 10 ⁶
	Electrical	100 x 10 ³			200 x 10 ³
Dielectric strength	Between coil and contacts	4,000 VAC for 1 min.			1,500 VAC for 1 min.
	Between contacts of different polarities	---	2,000 VAC for 1 min. (DPST-NO only)		1,500 VAC for 1 min.
	Between contacts of same polarities	2,000 VAC for 1 min.			1,000 VAC for 1 min.
	Between set and reset coil	---			1,000 VAC for 1 min.
Ambient temperature		-25°C..60°C			-55°C..60°C
Function		• Test button (excluding P models)			• Latching • Mechanical indicator
Sealing		• Cased (unsealed)			• Cased (unsealed)
Terminal construction**		  			 
Approved standards		  			---
Page No.		This product is not shown in the catalogue. For more information please contact your local Omron sales office or download the data from www.eu.omron.com			A-67

* Numbers in parentheses apply to cased (unsealed) types.

**  denotes PCB terminal,  plug-in (octal-pin) terminal,  plug-in/solder terminal,  quick-connect terminal, and  screw terminal.

Special-purpose Relay
G4Q Ratchet type

Unique ratchet mechanism assures positive alternate transfer/switching operation.
DPDT
Single
Ag
5 A at 220 VAC/24 VDC, 500,000 steps min.
5 A
6..100 VDC 6..200/(220) VAC
100 mA at 5 VDC
3.9 W (DC) 6.4 VA (AC)
5 x 10 ⁶ (step)
500 x 10 ³ (step)
2,000 VAC for 1 min.
2,000 VAC for 1 min.
1,000 VAC for 1 min.

-10°C..55°C

<ul style="list-style-type: none"> • Open • Cased (unsealed)


<p>This product is not shown in the catalogue. For more information please contact your local Omron sales office or download the data from www.eu.omron.com</p>