

NO: RL-158 **PRODUCT:** MY Relays Made in China
DATE: August 2016 **TYPE:** Discontinuation Notice

MY Relays Made in China Discontinued September 2016;
 Replace with MY-GS, MY (S) and MY Made in Japan

Discontinuation date: September 2016

Product Discontinuation and Recommended Replacement

Product discontinuation (made in china models only)	Recommended replacement
MY4N-D2 DC48	MY4N-D2-GS DC48
MY4N-D2 DC24	MY4N-D2-GS DC24
MY4N-D2 DC12	MY4N-D2-GS DC12
MY4N-D2 DC100/110	MY4N-D2-GS DC100/110
MY4N-CR AC220/240	MY4N-CR-GS AC220/240
MY4N-CR AC200/220	MY4N-CR-GS AC200/220
MY4N-CR AC110/120	MY4N-CR-GS AC110/120
MY4N-CR AC100/110	MY4N-CR-GS AC100/110
MY4N DC6	MY4N-GS DC6
MY4N DC48	MY4N-GS DC48
MY4N DC24	MY4N-GS DC24
MY4N DC125	MY4N DC125 (Made in Japan model)
MY4N DC12	MY4N-GS DC12
MY4N DC100/110	MY4N-GS DC100/110
MY4N AC6	MY4N AC6 (Made in Japan model)
MY4N AC50	MY4N-GS AC48
MY4N AC48	MY4N-GS AC48
MY4N AC32	No recommended replacement
MY4N AC24	MY4N-GS AC24
MY4N AC220/240	MY4N-GS AC220/240
MY4N AC200/220	MY4N-GS AC200/220
MY4N AC12	MY4N-GS AC12
MY4N AC110/120	MY4N-GS AC110/120
MY4N AC100/110	MY4N-GS AC100/110
MY4I4N DC6	MY4IN DC6 (S)
MY4I4N DC48	MY4IN DC48 (S)
MY4I4N DC24	MY4IN DC24 (S)
MY4I4N DC12	MY4IN DC12 (S)
MY4I4N DC100/110	MY4IN DC100/110 (S)
MY4I4N AC6	MY4IN AC6 (S)

Product discontinuation (made in china models only)	Recommended replacement
MY4I4N AC48	MY4IN AC48/50 (S)
MY4I4N AC24	MY4IN AC24 (S)
MY4I4N AC220/240	MY4IN AC220/240 (S)
MY4I4N AC200/220	MY4IN AC200/220 (S)
MY4I4N AC12	MY4IN AC12 (S)
MY4I4N AC110/120	MY4IN AC110/120 (S)
MY4I4 DC60	MY4IN DC60 (S)
MY4I4 DC6	MY4IN DC6 (S)
MY4I4 DC48	MY4IN DC48 (S)
MY4I4 DC24	MY4IN DC24 (S)
MY4I4 DC12	MY4IN DC12 (S)
MY4I4 DC100/110	MY4IN DC100/110 (S)
MY4I4 AC6	MY4IN AC6 (S)
MY4I4 AC24	MY4IN AC24 (S)
MY4I4 AC220/240	MY4IN AC220/240 (S)
MY4I4 AC12	MY4IN AC12 (S)
MY4I4 AC110/120	MY4IN AC110/120 (S)
MY4E DC48	No recommended replacement
MY4E DC24	MY4E DC24 (Made in Japan model)
MY4-D DC48	MY4N-D2-GS DC48
MY4-D DC24	MY4N-D2-GS DC24
MY4-D DC12	MY4N-D2-GS DC12
MY4-D DC100/110	MY4N-D2-GS DC100/110
MY4-CR AC220/240	MY4N-CR-GS AC220/240
MY4-CR AC200/220	MY4N-CR-GS AC200/220
MY4-CR AC110/120	MY4N-CR-GS AC110/120
MY4-CR AC100/110	MY4N-CR-GS AC100/110
MY4 DC60	MY4IN DC60 (S)
MY4 DC6	MY4-GS DC6
MY4 DC48	MY4-GS DC48
MY4 DC24	MY4-GS DC24
MY4 DC125	MY4 DC125 (Made in Japan model)
MY4 DC12	MY4-GS DC12
MY4 DC100/110	MY4-GS DC100/110
MY4 AC6	MY4 AC6 (Made in Japan model)
MY4 AC50	MY4-GS AC48
MY4 AC48	MY4-GS AC48
MY4 AC24	MY4-GS AC24
MY4 AC220/240	MY4-GS AC220/240
MY4 AC200/220	MY4-GS AC200/220
MY4 AC12	MY4-GS AC12
MY4 AC110/120	MY4-GS AC110/120
MY4 AC100/110	MY4-GS AC100/110
MY2N-D2 DC48	MY2N-D2-GS DC48
MY2N-D2 DC24	MY2N-D2-GS DC24

Product discontinuation (made in china models only)	Recommended replacement
MY2N-D2 DC12	MY2N-D2-GS DC12
MY2N-D2 DC100/110	MY2N-D2-GS DC100/110
MY2N-CR AC220/240	MY2N-CR-GS AC220/240
MY2N-CR AC200/220	MY2N-CR-GS AC200/220
MY2N-CR AC110/120	MY2N-CR-GS AC110/120
MY2N-CR AC100/110	MY2N-CR-GS AC100/110
MY2N DC6	MY2N-GS DC6
MY2N DC48	MY2N-GS DC48
MY2N DC24	MY2N-GS DC24
MY2N DC12	MY2N-GS DC12
MY2N DC100/110	MY2N-GS DC100/110
MY2N AC6	MY2N AC6 (Made in Japan model)
MY2N AC48	MY2N-GS AC48
MY2N AC24	MY2N-GS AC24
MY2N AC220/240	MY2N-GS AC220/240
MY2N AC200/220	MY2N-GS AC200/220
MY2N AC12	MY2N-GS AC12
MY2N AC110/120	MY2N-GS AC110/120
MY2N AC100/110	MY2N-GS AC100/110
MY2I4N DC24	MY2IN DC24 (S)
MY2I4N AC24	MY2IN AC24 (S)
MY2I4N AC220/240	MY2IN AC220/240 (S)
MY2I4N AC200/220	MY2IN AC200/220 (S)
MY2I4N AC12	MY2IN AC12 (S)
MY2I4N AC110/120	MY2IN AC110/120 (S)
MY2I4 AC110/120	MY2IN AC110/120 (S)
MY2E DC24	MY2E DC24 (Made in Japan model)
MY2-D DC48	MY2N-D2-GS DC48
MY2-D DC24	MY2N-D2-GS DC24
MY2-D DC12	MY2N-D2-GS DC12
MY2-D DC100/110	MY2N-D2-GS DC100/110
MY2-CR AC220/240	MY2N-CR-GS AC220/240
MY2-CR AC200/220	MY2N-CR-GS AC200/220
MY2-CR AC110/120	MY2N-CR-GS AC110/120
MY2-CR AC100/110	MY2N-CR-GS AC100/110
MY2 DC6	MY2-GS DC6
MY2 DC48	MY2-GS DC48
MY2 DC24	MY2-GS DC24
MY2 DC125	MY2 DC125 (Made in Japan model)
MY2 DC12	MY2-GS DC12
MY2 DC100/110	MY2-GS DC100/110
MY2 AC6	MY2 AC6 (Made in Japan model)
MY2 AC50	MY2-GS AC48
MY2 AC48	MY2-GS AC48
MY2 AC32	No recommended replacement

Product discontinuation (made in china models only)	Recommended replacement
MY2 AC24	MY2-GS AC24
MY2 AC220/240	MY2-GS AC220/240
MY2 AC200/220	MY2-GS AC200/220
MY2 AC12	MY2-GS AC12
MY2 AC110/120	MY2-GS AC110/120
MY2 AC100/110	MY2-GS AC100/110

Cautions on Applying Replacements

- In case of MY2I4, MY4I4 models, operation method of test button of the replacement model MY(S) is different.

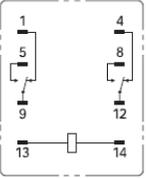
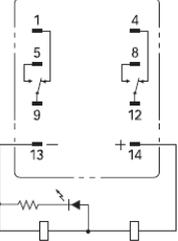
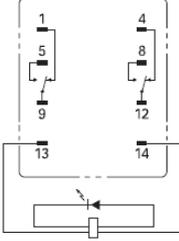
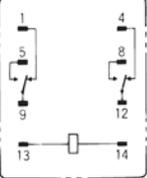
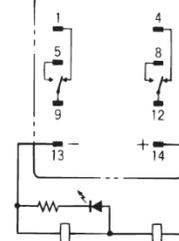
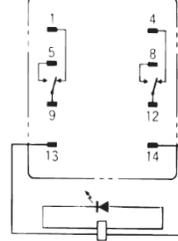
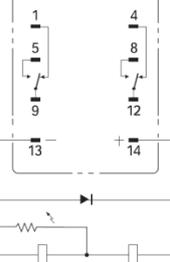
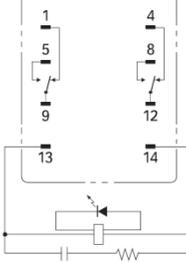
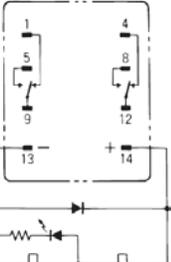
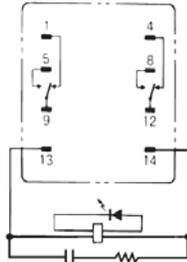
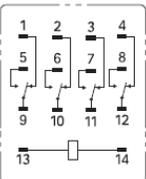
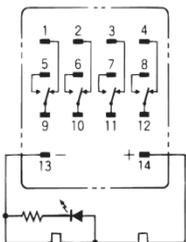
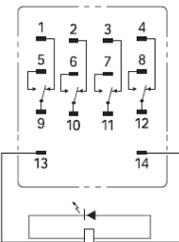
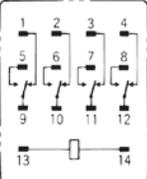
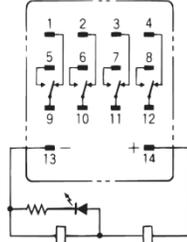
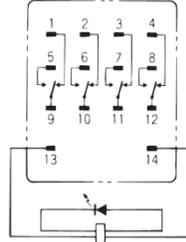
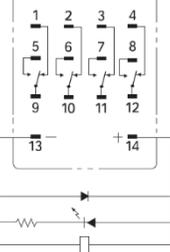
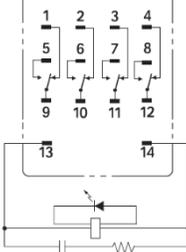
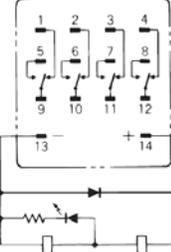
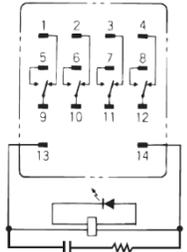
See the detail of differences below and on the following pages.

Detail of Differences

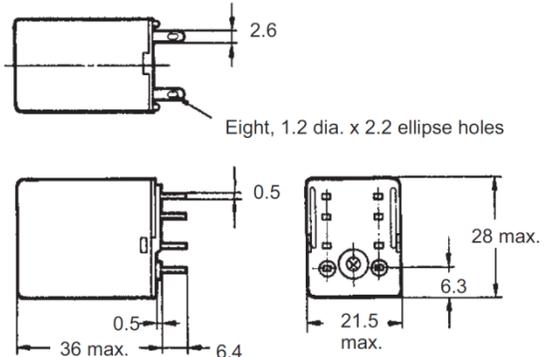
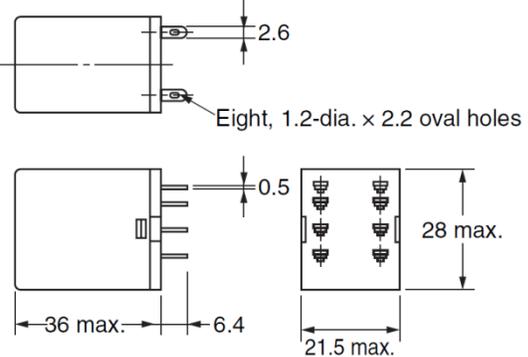
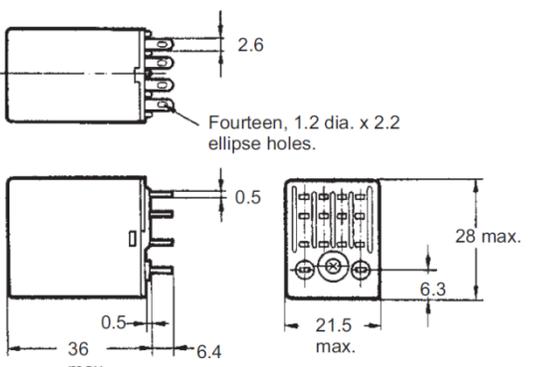
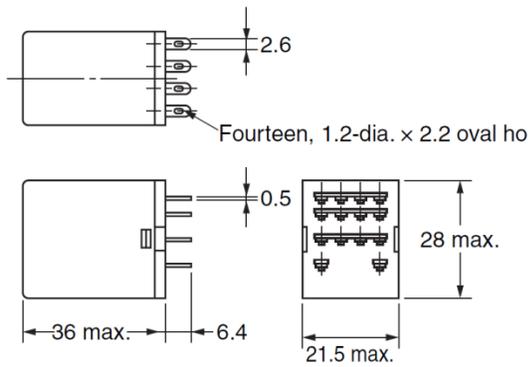
Body Color

Product discontinuation Model MY	Recommended replacement Model MY-GS
Model MY 	Model MY-GS  Model MY(S) 

Wiring Diagrams

Product discontinuation Model MY	Recommended replacement Model MY-GS
<p>Bottom view</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY2</p>  </div> <div style="text-align: center;"> <p>MY2N DC coil</p>  </div> <div style="text-align: center;"> <p>MY2N AC coil</p>  </div> </div>	<p>Bottom view</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY2-GS</p>  </div> <div style="text-align: center;"> <p>MY2N-GS DC coil</p>  </div> <div style="text-align: center;"> <p>MY2N-GS AC coil</p>  </div> </div>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY2N-D2</p>  </div> <div style="text-align: center;"> <p>MY2N-CR</p>  </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY2N-D2-GS</p>  </div> <div style="text-align: center;"> <p>MY2N-CR-GS</p>  </div> </div>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY4</p>  </div> <div style="text-align: center;"> <p>MY4N DC coil</p>  </div> <div style="text-align: center;"> <p>MY4N AC coil</p>  </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY4-GS</p>  </div> <div style="text-align: center;"> <p>MY4N-GS DC coil</p>  </div> <div style="text-align: center;"> <p>MY4N-GS AC coil</p>  </div> </div>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY4N-D2</p>  </div> <div style="text-align: center;"> <p>MY4N-CR</p>  </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MY4N-D2-GS</p>  </div> <div style="text-align: center;"> <p>MY4N-CR-GS</p>  </div> </div>

Dimensions / Mounting Dimensions

Product discontinuation Model MY	Recommended replacement Model MY-GS
<p>MY2 series</p>  <p>2.6</p> <p>Eight, 1.2 dia. x 2.2 ellipse holes</p> <p>0.5</p> <p>36 max.</p> <p>6.4</p> <p>21.5 max.</p> <p>28 max.</p> <p>6.3</p>	<p>MY2-GS series</p>  <p>2.6</p> <p>Eight, 1.2-dia. x 2.2 oval holes</p> <p>0.5</p> <p>36 max.</p> <p>6.4</p> <p>21.5 max.</p> <p>28 max.</p>
<p>MY4 series</p>  <p>2.6</p> <p>Fourteen, 1.2 dia. x 2.2 ellipse holes.</p> <p>0.5</p> <p>36 max.</p> <p>6.4</p> <p>21.5 max.</p> <p>28 max.</p> <p>6.3</p>	<p>MY4-GS series</p>  <p>2.6</p> <p>Fourteen, 1.2-dia. x 2.2 oval holes</p> <p>0.5</p> <p>36 max.</p> <p>6.4</p> <p>21.5 max.</p> <p>28 max.</p>

Coil Ratings

Product discontinuation Model MY	Recommended replacement Model MY-GS
<p>Rated current at 50Hz (60Hz)</p> <p>6VDC: 150mA 12VDC: 75mA 24VDC: 36.9mA 48VDC: 18.5mA 100/110VDC: 9.1mA/10mA 6VAC: 214.1mA (183mA) 12VAC: 106.5mA (91mA) 24VAC: 53.8mA (46mA) 48VAC: 25.7mA (22mA) 50VAC: 25.7mA (22mA) 100/110VAC: 11.7mA/12.9mA (10mA/11mA) 110/120VDC: 9.9mA/10.8mA (8.4mA/9.2mA) 200/220VAC: 6.2mA/6.8mA (5.3mA/5.8mA) 220/240VAC: 4.8mA/5.3mA (4.2mA/4.6mA)</p>	<p>Rated current at 50Hz (60Hz)</p> <p>6VDC: 146mA 12VDC: 72.7mA 24VDC: 36.3mA 48VDC: 17.6mA 100/110VDC: 8.7mA/9.6mA 6VAC: 183mA (* MY2, MY4 model) 12VAC: 106.5mA (91mA) 24VAC: 53.8mA (46mA) 48VAC: 25.7mA (21.1mA) 100/110VAC: 11.7mA/12.9mA (10mA/11mA) 110/120VDC: 9.9mA/10.8mA (8.4mA/9.2mA) 200/220VAC: 6.2mA/6.8mA (5.3mA/5.8mA) 220/240VAC: 5.2mA/6.2mA (4.3mA/5.0mA)</p>
<p>Coil resistance</p> <p>6VDC: 40 ohm, 12VDC: 160 ohm 24VDC: 650 ohm, 48VDC: 2,600 ohm 100/110VDC: 11,000 ohm 6VAC: 12.2 ohm, 12VAC: 46 ohm, 24VAC: 180 ohm, 48VAC: 788 ohm 100/110VAC: 3,750 ohm, 110/120VDC: 4,430 ohm 200/220VAC: 12,950 ohm 220/240VAC: 18,790 ohm</p>	<p>Coil resistance</p> <p>6VDC: 41.0 ohm, 12VDC: 165 ohm 24VDC: 662 ohm, 48VDC: 2,725 ohm 100/110VDC: 11,440 ohm 6VAC: 12.2 ohm (*MY2, MY4 model) 12VAC: 46 ohm, 24VAC: 180 ohm 48VAC: 788 ohm, 100/110VAC: 3,750 ohm 110/120VDC: 4,430 ohm, 200/220VAC: 12,950 ohm 220/240VAC: 15,920 ohm</p>

Contact Ratings continued

Product discontinuation Model MY	Recommended replacement Model MY-GS
Must-operate voltage: 80% max.	Must-operate voltage: 80% max.
Must-release voltage AC coil models: 30% min. DC coil models: 10% min.	Must-release voltage AC coil models: 30% min. DC coil models: 10% min.
Maximum voltage: 110%	Maximum voltage: 110%
Power consumption 6VDC: 0.9W 12VDC: 0.9W 24VDC: 0.9W 48VDC: 0.9W 100/110VDC: 0.9W 6VAC: 1.0 to 1.2VA 12VAC: 1.0 to 1.2VA 24VAC: 1.0 to 1.2VA 48VAC: 1.0 to 1.2VA 50VAC: 1.0 to 1.2VA 100/110VAC: 0.9 to 1.1VA 110/120VDC: 0.9 to 1.1VA 200/220VAC: 0.9 to 1.1VA 220/240VAC: 0.9 to 1.1VA	Power consumption 6VDC: 0.9W 12VDC: 0.9W 24VDC: 0.9W 48VDC: 0.9W 100/110VDC: 0.9W 6VAC: 1.0 to 1.2VA (60Hz) (*MY2, MY4 model) 12VAC: 0.9 to 1.3VA (60Hz) 24VAC: 0.9 to 1.3VA (60Hz) 48VAC: 0.9 to 1.3VA (60Hz) 100/110VAC: 0.9 to 1.3VA (60Hz) 110/120VDC: 0.9 to 1.3VA (60Hz) 200/220VAC: 0.9 to 1.3VA (60Hz) 220/240VAC: 0.9 to 1.3VA (60Hz)

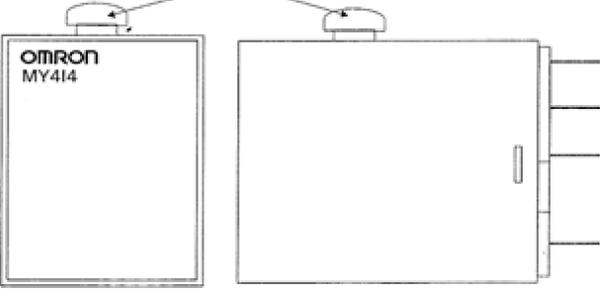
Contact Ratings

Product discontinuation Model MY	Recommended replacement Model MY-GS
Rated load 2pole models 5A at 220VAC resistive load 5A at 24VDC resistive load 2A at 220VAC inductive load ($\cos \phi = 0.4$) 2A at 24VDC inductive load (L/R=7ms) 4pole models 3A at 220VAC resistive load 3A at 24VDC resistive load 0.8A at 220VAC inductive load ($\cos \phi = 0.4$) 1.5A at 24VDC inductive load (L/R=7ms)	Rated load 2pole models 5A at 220VAC resistive load 5A at 24VDC resistive load 2A at 220VAC inductive load ($\cos \phi = 0.4$) 2A at 24VDC inductive load (L/R=7ms) 4pole models 3A at 220VAC resistive load 3A at 24VDC resistive load 0.8A at 220VAC inductive load ($\cos \phi = 0.4$) 1.5A at 24VDC inductive load (L/R=7ms)
Rated load current 2pole models : 5A 4pole models : 3A	Rated load current 2pole models : 5A 4pole models : 3A
Maximum contact voltage 250VAC, 125VDC	Maximum contact voltage 250VAC, 220VDC
Maximum contact current 2pole models : 5A 4pole models : 3A	Maximum contact current 2pole models : 5A 4pole models : 3A
Maximum switching capacity 2pole models Resistive load : 1,100VA, 120W Inductive load : 440VA, 48W 4pole models Resistive load : 660VA, 72W Inductive load : 176VA, 36W	Maximum switching capacity 2pole models Resistive load : 1,100VA, 120W Inductive load : 440VA, 48W 4pole models Resistive load : 660VA, 72W Inductive load : 176VA, 36W

Characteristics

Item		Product discontinuation Model MY	Recommended replacement Model MY-GS
Contact resistance		50mΩ max.	100mΩ max.
Operation time		20ms max.	20ms max.
Release time		20ms max.	20ms max.
Maximum operating frequency -Mechanical -Rated load		18,000 operations/h 1,800 operations/h	18,000 operations/h 2,400 operations/h
Insulation resistance		100MΩ min.	1,000MΩ min.
Dielectric strength -Between coil and contacts -Between contacts of different polarity -Between contacts of the same polarity		2,000VAC at 50/60 Hz for 1min. --- 1,000VAC at 50/60 Hz for 1min	2,000VAC at 50/60 Hz for 1min. 2,000VAC at 50/60 Hz for 1min. 1,000VAC at 50/60 Hz for 1min.
Vibration resistance -Destruction -Malfunction		10 to 55 Hz, Double amplitude: 1.0mm	10 to 55 to 10Hz, Double amplitude: 1.0mm
Shock resistance	Destruction	1,000 m/s ² (approx.100G)	1,000 m/s ² (approx.100G)
	Malfunction	200 m/s ² (approx.20G)	200 m/s ² (approx.20G)
Endurance	Mechanical	AC coil models 50,000,000 operations min.	50,000,000 operations (switching frequency: 18,000 operations/h)
		DC coil models 100,000,000 operations min.	
	Electrical	2pole models 500,000 operations (switching frequency: 1,800 operations/h)	2pole models 500,000 operations (switching frequency: 2,400 operations/h)
		4pole models 200,000 operations (switching frequency: 1,800 operations/h)	4pole models 200,000 operations (switching frequency: 2,400 operations/h)
Weight		Approx. 35g	Approx. 35g

Test Button Operation (only for MY2I4, MY4I4 models)

Product discontinuation Model MY2I4, MY4I4 series	Recommended replacement Model MY(S) series		
<p style="text-align: center;">Push Button (For Momentary Operation)</p> 	<p style="text-align: center;">Relay in Normal Operation</p> <p style="text-align: center;">□ Yellow button</p>  	<p style="text-align: center;">Mode 1 For Momentary Operation</p>   <p style="text-align: center;">Slide the latching lever to the first position, then press the yellow button with an insulated tool to operate the contact.</p>	<p style="text-align: center;">Mode 2 For Lock Operation</p>   <p style="text-align: center;">Slide the latching lever to the second position. (The contact is now in the locked position.)</p>

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.