

**NO:** REL-154  
**DATE:** February 2015

**PRODUCT:** G8W Series Automotive Mini 280 Relay  
**TYPE:** **Discontinuation** Notice

**G8W Automotive Mini 280 Relays to be DISCONTINUED**  
**June 30, 2015**

Due to a diminishing global demand for the **G8W** Automotive Mini 280 Relay series, OMRON will discontinue **ALL** G8W models at the end of June 2015. Although there are no direct replacements for this series, Omron recommends consideration of the **G8V-RH** for standard models and **G8JN** for metal bracket models within **new** designs. Therefore, please carefully read through and note the differences. The following details will fully explain the discontinuation and replacement considerations; should you have any additional questions, however, please communicate with Automotive Relay Product Manager.

**Product Discontinuation**

Automotive Mini 280 Relay



**Model G8W-1A7T-R**  
**Model G8W-1C7T-R**  
**Model G8W-1A6T-F-R**  
**Model G8W-1C6T-F-R**



**Suggested Replacement**

Automotive / Automotive Mini ISO Relay

**Model G8V-RH-1A7T-R**  
**Model G8V-RH-1C7T-R**  
**Model G8JN-1A6T-F-R**  
**Model G8JN-1C6T-F-R**

**LAST Order date (Last Time Buy Date)**

**March 31, 2015**

**Discontinuation date**

**June 30, 2015**

All orders must be entered by the 'last time buy' date.

**Caution on recommended replacement:**

There are some differences (Dimensions, Wire connection, Characteristics and Operating ratings). Therefore, please re-evaluate adequacy within applications.

**G8V-RH and G8JN - - Difference from discontinued product:**

Recommended replacement Model	Body Color	Dimen -sions	Wire connection	Mounting Dimensions	Contact ratings	Coil ratings	Operation methods
<b>G8V-RH-1A7T-R</b>	**	--	**	**	*	*	**
<b>G8V-RH-1C7T-R</b>	**	--	**	**	*	*	**
<b>G8JN-1A6T-F-R</b>	**	**	--	--	**	*	**
<b>G8JN-1C6T-F-R</b>	**	**	--	--	**	*	**

- \*\* : Compatible
- \* : The change is a little/Almost compatible
- : Not compatible
- : No corresponding specification

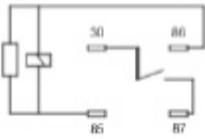
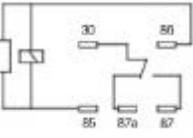
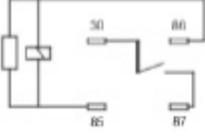
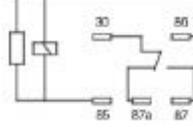
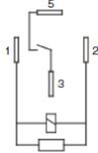
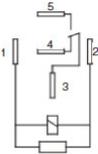
**\* Sales teams should communicate this discontinuation with their OEM's and CEM's.**  
**For further technical support and any questions, please communicate with Product Marketing.**

**Discontinued product and recommended replacement:**

**Body color:**

Discontinued Product G8W Series	Suggested Replacement G8V-RH / G8JN
SPST: Gray SPDT: Black	SPST: Gray SPDT: Black

**Wire connection:**

Discontinued Product G8W Series	Suggested Replacement G8V-RH / G8JN
<p>SPST: G8W-1A7T-R / G8W-1A6T-F-R</p>  <p>SPDT: G8W-1C7T-R / G8W-1C6T-F-R</p> 	<p>SPST: G8V-RH-1A7T-R</p>  <p>SPDT: G8V-RH-1C7T-R</p> 
	<p>SPST: G8JN-1A6T-F-R</p>  <p>SPDT: G8JN-1C6T-F-R</p> 

**Mounting dimensions:**

Discontinued Product G8W Series	Suggested Replacement G8V-RH / G8JN
<p><b>Model G8W-1□7T-R</b> Usage of connector for 280 alignment</p>	<p><b>Model G8V-RH-1□7T-R</b> Usage of connector for 280 alignment</p>
<p><b>Model G8W-1□6T-F-R</b> Usage of connector for 280 weather-proof alignment</p>	<p><b>Model G8JN-1□6T-F-R</b> Usage of connector for Mini ISO weather-proof alignment</p>

**Dimensions:**

Discontinued Product G8W Series	Suggested Replacement G8V-RH / G8JN
<p><b>Model G8W-1□7T-R</b></p> <p>Country of origin</p> <p>MADE IN</p> <p>85 87 87a 86 30</p> <p>25.5±0.5</p> <p>11</p> <p>2.8±0.3</p> <p>0.82</p> <p>28±0.5</p> <p>28±0.5</p> <p>8.10</p> <p>16.20</p> <p>7.8</p> <p>2.31</p>	<p><b>Model G8V-RH-1□7T-R</b></p> <p>Country of origin</p> <p>85 87 87a 86 30</p> <p>ASSEMBLED IN</p> <p>25.5±0.5</p> <p>11±0.5</p> <p>2.8±0.15</p> <p>0.825±0.05</p> <p>8.1</p> <p>3.90</p> <p>16.2</p> <p>22.5±0.5</p> <p>15±0.5</p> <p>7.80</p>
<p><b>Model G8W-1□6T-F-R</b></p> <p>omron</p> <p>G8W-1□6T-F-R-DC12</p> <p>28</p> <p>66.7</p> <p>57.7</p> <p>46.30</p> <p>Country of origin</p> <p>MAX IN</p> <p>85 87 87a 86 30</p> <p>45.9</p> <p>28</p> <p>2.80</p> <p>7.10</p> <p>35.50</p> <p>12.70</p> <p>35.50</p> <p>9.00</p> <p>7.90</p> <p>8.10</p> <p>16.20</p>	<p><b>Model G8JN-1□6T-F-R</b></p> <p>omron</p> <p>G8JN-1□6T-F-R-DC12</p> <p>28</p> <p>66.7</p> <p>57.7</p> <p>46.30</p> <p>Country of origin</p> <p>MAX IN</p> <p>85 87 87a 86 30</p> <p>45.9</p> <p>28</p> <p>2.80</p> <p>7.10</p> <p>35.50</p> <p>12.70</p> <p>35.50</p> <p>11.0 5 PLCS</p> <p>9.00</p> <p>7.90</p> <p>8.35</p> <p>17.90</p> <p>10.35</p> <p>8.40</p>

### Characteristics / Operation ratings:

Coil Ratings	Discontinued Product G8W	Suggested Replacement	
		G8V-RH	G8JN
Pull-in voltage	8.0V max.	8.0V max.	8.0V max.
Drop-out voltage	1.0V min.	1.0V min.	1.0V min.
Coil resistance	78 Ω Between terminal 85 and 86	85 Ω Between terminal 85 and 86	68 Ω Between terminal 1 and 2

Contact Ratings	Discontinued Product G8W	Suggested Replacement	
		G8V-RH	G8JN
Rated voltage		DC12V	
Rated current (N.O.)		35A	
Rated current (N.C.)		20A	
Maximum inrush current (N.O.)	120A	90A	120A
Maximum inrush current (N.C.)	40A	60A	40A
Minimum switching current		DC12V @ 1A	

### [ Operation methods ]

Discontinued Product G8W Series	Suggested Replacement G8V-RH / G8JN
Application of voltage to coil (Between terminal 85 and 86)	<p><b>G8V-RH</b> Application of voltage to coil (Between terminal 85 and 86)</p> <p><b>G8JN</b> Application of voltage to coil (Between terminal 1 and 2)</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.