

Product Discontinuation Notices

Displacement Sensors / Measurement Sensors

Issue Date
March 2, 2015

No. 2015025CE

Discontinuation Notice of Real-time Parallel Output Unit Model ZS-RPD11 and Model ZS-RPD41.

Product Discontinuation

Real-time Parallel Output Unit



Model ZS-RPD11
Model ZS-RPD41



Recommended Replacement

Real-time Parallel Output Unit

Model ZG-RPD11
Model ZG-RPD41

[Discontinuation date]

The end of July, 2015

[Caution on recommended replacement]

There is no difference.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Model ZG-RPD11	**	**	**	**	**	**	**
Model ZG-RPD41	**	**	**	**	**	**	**

** : Compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

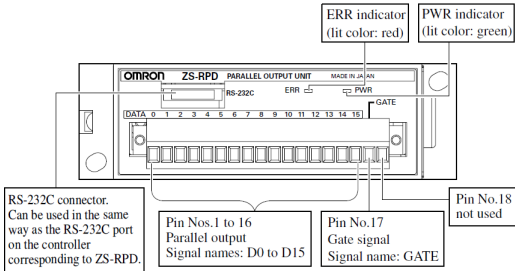
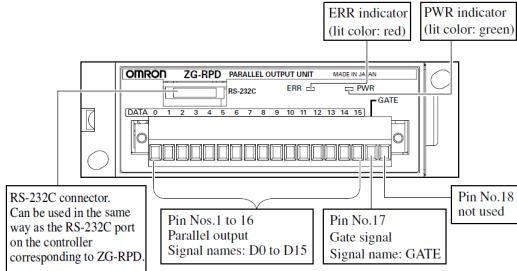
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
Model ZS-RPD11	Model ZG-RPD11
Model ZS-RPD41	Model ZG-RPD41

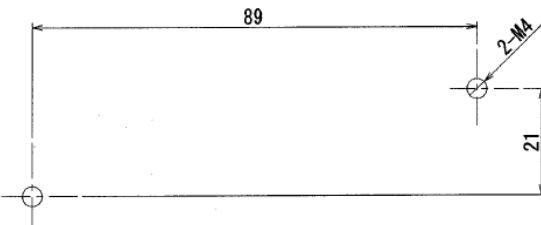
[Body color]

Product discontinuation Model ZS-RPD11, Model ZS-RPD41	Recommendable replacement Model ZG-RPD11, Model ZG-RPD41
	

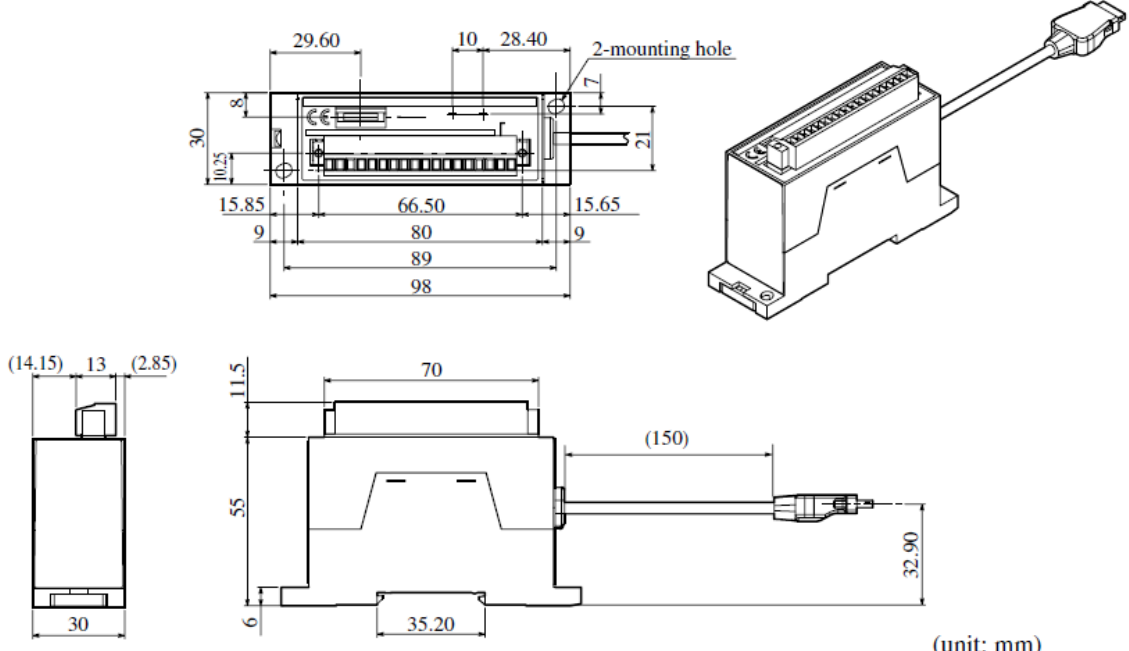
[Wire connection]

<p>Product discontinuation Model ZS-RPD11, Model ZS-RPD41</p>	<p>Recommendable replacement Model ZG-RPD11, Model ZG-RPD41</p>
<p>Terminal Block Pin Assignments</p>  <p>ERR indicator (lit color: red) PWR indicator (lit color: green)</p> <p>RS-232C connector. Can be used in the same way as the RS-232C port on the controller corresponding to ZS-RPD.</p> <p>Pin Nos. 1 to 16 Parallel output Signal names: D0 to D15</p> <p>Pin No. 17 Gate signal Signal name: GATE</p> <p>Pin No. 18 not used</p> <p>[Type of Connectors Used] ·ZS-RPD body side ⇒ SL 3.5/18/90F-ORG (made by Weidmuller) ·Cable connection side ⇒ BL 3.5/18F-ORG (made by Weidmuller)</p>	<p>Terminal Block Pin Assignments</p>  <p>ERR indicator (lit color: red) PWR indicator (lit color: green)</p> <p>RS-232C connector. Can be used in the same way as the RS-232C port on the controller corresponding to ZG-RPD.</p> <p>Pin Nos. 1 to 16 Parallel output Signal names: D0 to D15</p> <p>Pin No. 17 Gate signal Signal name: GATE</p> <p>Pin No. 18 not used</p> <p>[Type of Connectors Used] ·ZG-RPD body side ⇒ SL 3.5/18/90F-ORG (made by Weidmuller) ·Cable connection side ⇒ BL 3.5/18F-ORG (made by Weidmuller)</p>

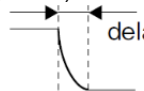
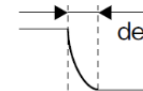
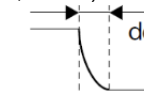
[Mounting dimensions]

<p>Product discontinuation Model ZS-RPD11, Model ZS-RPD41</p>	<p>Recommendable replacement Model ZG-RPD11, Model ZG-RPD41</p>
<p>MOUNTING SCREW HOLES</p> 	

[Dimensions]

<p>Product discontinuation Model ZS-RPD11, Model ZS-RPD41</p>	<p>Recommendable replacement Model ZG-RPD11, Model ZG-RPD41</p>
 <p>(unit: mm)</p>	

[Characteristics]

Item	Product discontinuation		Recommendable replacement	
	Model ZS-RPD11	Model ZS-RPD41	Model ZG-RPD11	Model ZG-RPD41
Data output system	16-bit parallel open collector output			
Data format	Measurement value data is converted to 40,000 stages of 16-bit binary data before output. (signal names: D0 to D15)		Measurement value data is converted to 16-bit binary data (two's complement) before output. (signal names: D0 to D15)	
Synchronization signal	Synchronization signal for notifying data determination timing (signal name: GATE) 1-bit open collector output			
Parallel output	Signal name	<ul style="list-style-type: none"> Binary output: signal name: D0 to D15 (total 16 bits) Gate output: signal name: GATE (total 16 bits) 		
	Circuit specifications	<ul style="list-style-type: none"> NPN open collector output 30 VDC max., 20 mA max., residual voltage 1.2 V or less, delay time at OFF→ON change: less than 0.5 μs (at 24 V, 20mA) 	<ul style="list-style-type: none"> PNP open collector output 20 mA max., residual voltage 1.2 V or less, delay time at OFF→ON change: less than 0.5 μs (at 20 mA) 	<ul style="list-style-type: none"> NPN open collector output 30 VDC max., 20 mA max., residual voltage 1.2 V or less, delay time at OFF→ON change: less than 0.5 μs (at 24 V, 20 mA) 
RS-232C	1 port, max. 115,200 bps			
Status indicators	<ul style="list-style-type: none"> PWR indicator (lit color: green) → Lights when ZS-RPD is energized. ERR indicator (lit color: red) → Lights when an energizing current of 20 mA or more flows to 1 bit or more of the open collector output (data output: 16 bits, GATE: 1 bit) 		<ul style="list-style-type: none"> PWR indicator (lit color: green) → Lights when ZG-RPD is energized. ERR indicator (lit color: red) → Lights when an energizing current of 20 mA or more flows to 1 bit or more of the open collector output (data output: 16 bits, GATE: 1 bit) 	
Circuit internal power supply voltage	24 VDC and 3.3 VDC. Power supplied from the controller corresponding to ZS-RPD via exclusive connector.		24 VDC and 3.3 VDC. Power supplied from the controller corresponding to ZG-RPD via exclusive connector.	
Current consumption	0.5 A or less. Total value including current consumption of the controller corresponding to ZS-RPD.		0.5 A or less.	
Insulation resistance	Connected to the controller corresponding to ZS-RPD, across all lead wires and controller case of the controller corresponding to ZS-RPD: 20 MΩ (by 250 V megger)		Connected to the controller corresponding to ZG-RPD, across all lead wires and controller case of the controller corresponding to ZG-RPD: 20 MΩ (by 250 V megger)	
Dielectric strength	Connected to the controller corresponding to ZS-RPD, across all lead wires and controller case of the controller corresponding to ZS-RPD: 1,000 VAC, 50/60 Hz, 1 min		Connected to the controller corresponding to ZG-RPD, across all lead wires and controller case of the controller corresponding to ZG-RPD: 20 MΩ (by 250 V megger)	
Vibration resistance (destructive)	10 to 150 Hz 0.7-mm double amplitude, 80 min each in X, Y, and Z directions			
Shock resistance (destructive)	300 m/s ² 3 times each in six directions (up/down, left/right, forward/backward)			
Ambient temperature	Operating: 0 to 50°C, Storage: -15 to 60°C (with no icing or condensation)			
Ambient humidity	Operating/storage: 35 to 85% RH (with no condensation)			
Materials	Case: ABS			
Weight	Approx. 130 g (excluding packing materials and accessories)			

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.