



To: Our Valued Distributors

May 2020
Koyo Electronics Industries Co., Ltd

Notice of discontinued Rotary Encoder TRD-J

Regarding the Rotary encoder TRD-J series that you have been purchasing for a long time, we have decided to discontinue sales in order to consolidate its successor, TRD-N series. We apologize for the inconvenience.

【Concerned model number / Model number to substitute】

1. Concerned model number : TRD-J series in general
2. Model number to substitute : TRD-N series in general

Discontinued Model number	Model number to substitute	
	Model number	Product position
TRD-J****RZS	TRD-N****RZ	Current product
TRD-J****RZWS	TRD-N****RZW	Current product
TRD-J****RZ	TRD-N****RZB	Sales will start in September 2020
TRD-J****RZW	TRD-N****RZWB	
TRD-J****RZC	TRD-N****RZCB	Sales will start in October 2020
TRD-J****RZCW	TRD-N****RZCWB	

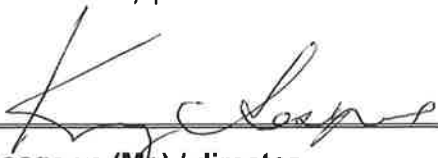
※Please consider the same pulse in ****.

※Please refer to the attachment for the differences.

【Last order of discontinued models】

To be received by March 31, 2021

*For the details, please contact our sales staff.



Kenji Sasagawa (Mr.) / director
Global Sales Department
Koyo Electronics Industries Co., Ltd

Type		Discontinued Model number	Model number to substitute	
Type	Output	J series	N series	
Type with Cables Taken Out from the Back	1-phase output	TRD-J□-S	TRD-N□-SB	Sales will start in September 2020
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZ	TRD-N□-RZB	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZL	TRD-N□-RZLB	
	Output with 2-phase origin (Line driver)	TRD-J□-RZV	TRD-N□-RZVB	
Dustproof and Waterjet-proof Type	1-phase output	TRD-J□-SW	TRD-N□-SWB	
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZW	TRD-N□-RZWB	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZWL	TRD-N□-RZWLB	
	Output with 2-phase origin (Line driver)	TRD-J□-RZVW	TRD-N□-RZVWB	
Connector Type	1-phase output	TRD-J□-SC	TRD-N□-SCB	Sales will start in October 2020
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZC	TRD-N□-RZCB	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZCL	TRD-N□-RZCLB	
	Output with 2-phase origin (Line driver)	TRD-J□-RZV C	TRD-N□-RZVCB	
Dustproof and Waterjet-proof Connector Type	1-phase output	TRD-J□-SCW	TRD-N□-SCWB	Sales will start in October 2020
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZCW	TRD-N□-RZCWB	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZCWL	TRD-N□-RZCWL B	
	Output with 2-phase origin (Line driver)	TRD-J□-RZVCW	TRD-N□-RZVCWB	
Type with Cables Taken Out from the Side	1-phase output	TRD-J□-SS	TRD-N□-S	Current product
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZS	TRD-N□-RZ	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZSL	TRD-N□-RZL	
	Output with 2-phase origin (Line driver)	TRD-J□-RZVS	TRD-N□-RZV	
Dustproof and Waterjet-proof Type with Cables Taken Out from the Side	1-phase output	TRD-J□-SWS	TRD-N□-SW	Current product
	Output with 2-phase origin (Origin direct action)	TRD-J□-RZWS	TRD-N□-RZW	
	Output with 2-phase origin (Origin reverse action)	TRD-J□-RZW SL	TRD-N□-RZWL	
	Output with 2-phase origin (Line driver)	TRD-J□-RZVWS	TRD-N□-RZVW	

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* Differences from successor products

1) Type with Cable Taken Out from the Side

	Current product	Replacement
Model Number(Series)	TRD-J□-SS	TRD-N□-S
	TRD-J□-RZS	TRD-N□-RZ
	TRD-J□-RZSL	TRD-N□-RZL
	TRD-J□-RZVS	TRD-N□-RZV
Protective structure	IP50	
Dimensions		
	○ Error range at the same cable mounting position.	
Cable outlet angle	15°	-
Body depth	60mm	36.5mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ5mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

	Current product	Replacement
Model Number(Series)	TRD-J□-SWS	TRD-N□-SW
	TRD-J□-RZWS	TRD-N□-RZW
	TRD-J□-RZWSL	TRD-N□-RZWL
	TRD-J□-RZVWS	TRD-N□-RZVW
Protective structure	IP65	
Dimensions		
	○ Error range at the same cable mounting position.	
Cable outlet angle	-	-
Body depth	60mm	35mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ6mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

2) Type with Cables Taken Out from the Back

	Current product	Replacement
Model Number(Series)	TRD-J□-S	TRD-N□-SB
	TRD-J□-RZ	TRD-N□-RZB
	TRD-J□-RZL	TRD-N□-RZLB
	TRD-J□-RZV	TRD-N□-RZVB
Protective structure	IP50	
Dimensions		
	○ Error range at the same cable mounting position.	
Cable outlet angle	-	15°
Body depth	50mm	49mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ5mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

	Current product	Replacement
Model Number(Series)	TRD-J□-SW	TRD-N□-SWB
	TRD-J□-RZW	TRD-N□-RZWB
	TRD-J□-RZWL	TRD-N□-RZWLb
	TRD-J□-RZVW	TRD-N□-RZVWB
Protective structure	IP65	
Dimensions		
	○ Error range at the same cable mounting position.	
Cable outlet angle	-	15°
Body depth	60mm	59mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ6mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

3) Connector Type

	Current product	Replacement
Model Number(Series)	TRD-J□-SC	TRD-N□-SCB
	TRD-J□-RZC	TRD-N□-RZCB
	TRD-J□-RZCL	TRD-N□-RZCLB
	TRD-J□-RZV C	TRD-N□-RZVCB
Protective structure	IP50	IP50
Dimensions		
		○ Error range at the same connector mounting position.
Cable outlet angle	—	15°
Body depth	60mm	59mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ5mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

	Current product	Replacement
Model Number(Series)	TRD-J□-SCW	TRD-N□-SCWB
	TRD-J□-RZCW	TRD-N□-RZCWB
	TRD-J□-RZCWL	TRD-N□-RZCWL B
	TRD-J□-RZVCW	TRD-N□-RZVCWB
Protective structure	IP65	IP65
Dimensions		
		○ Error range at the same connector mounting position.
Cable outlet angle	—	15°
Body depth	60mm	59mm
Phase-advanced (CW type)	Phase B advance	Phase A advance
Phase Z synchronization (CW type)	Synchronized with A phase rising	Synchronized with falling edge of phase B
Sheath diameter	Φ6mm	Φ6mm
Shaft outer diameter	0 / -0.01 (mm)	0 / -0.018 (mm)

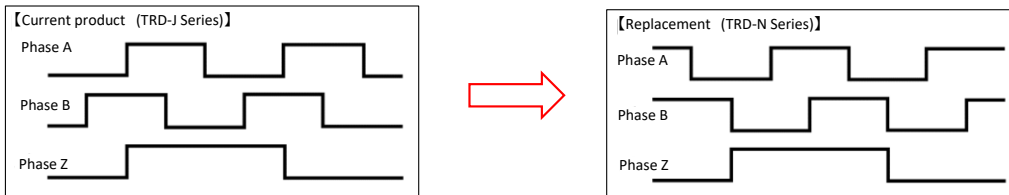
4. Cable wiring color

The cable wiring colors are as follows.

	Current product	Replacement
Totem-pole 1-phase (*No connection) 2-phase	Out A: Green Out B: White Out Z: Yellow Power Supply: Red 0V: Black	Out A: Black Out B: White Out Z: Orange Power Supply: Brown 0V: Blue
Line driver	OUT A: Blue OUT A: Blue / Black OUT B: White OUT B: White / Black OUT Z: Yellow OUT Z: Yellow / Black Power Supply: Red 0V: Black	OUT A: Black OUT A: Purple OUT B: White OUT B: Ash OUT Z: Orange OUT Z: Yellow Power Supply: Brown 0V: Blue

5. Output waveform (Common to all models)

The Z phase synchronization in the CW waveform is "Phase A rising" ⇒ "Phase B falling".



* If you want to match the Phase A / Phase B advance direction with the current one, it is possible by switching the connection of Phase A / B.

Other electrical specifications are the same as the TRD-J series.

[Contact]

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