

Trimmer Auto Switch

Series **D-□7K/D-R□K**



Sensor unit

Direct mounting type



Rail mounting type

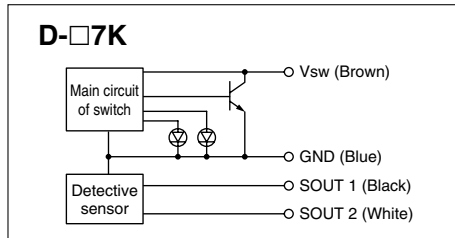


Amplifier unit

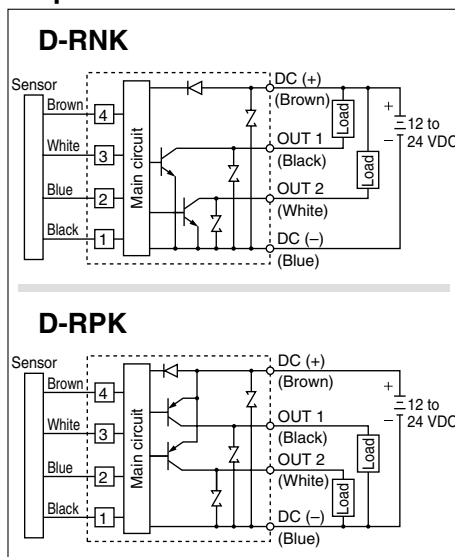


Internal Circuit

Sensor Unit



Amplifier Unit



Specifications

Sensor Unit

Model	D-F7K	D-Y7K
Mounting	Rail mounting	Direct mounting
Applicable amplifier unit	D-RNK, D-RPK	
Indicator light	Operating position: Red light is ON. Proper operating range: Green light is ON.	
Electrical entry	Grommet	
Lead wire	Oilproof heavy-duty vinyl cord $\phi 3.5$ 0.14 mm ² 4 cores 3 m With one e-con connector ^{Note)}	
Impact resistance	980 m/s ²	
Insulation resistance	50 M Ω or more (500 VDC Mega) between lead wire and case	
Withstand voltage	1000 VAC for 1 min. (between lead wire and case)	
Ambient temperature	-10 to 60°C	
Enclosure	IP67	
Mass	58 g (with connector)	
Standard	CE marking	

Note) The e-con connector is not attached to the lead wire. They will be supplied loose in the same shipment.

Amplifier Unit (with Sensor Unit)

PLC: Programmable Logic Controller

Model	D-RNK	D-RPK
Applicable sensor unit	D-F7K, D-Y7K	
Application	For relay and PLC	
Power supply voltage	12 to 24 VDC	
Current consumption	40 mA or less	
Output specification	NPN open collector 2 outputs	PNP open collector 2 outputs
Load voltage	28 VDC or less	—
Load current	80 mA or less/1 output	
Internal voltage drop	1.5 V or less	
Leakage current	100 μ A or less/1 output	
Response time	1 ms or less	
Indicator light	READY: Red LED illuminates when the piston position detected. (When the sensor is connected). OUT 1: Green LED illuminates when turned ON. OUT 2: Orange LED illuminates when turned ON.	
Electrical entry	Connection to sensor	e-con connector
	Power supply/output cable	Grommet
Lead wire	Oilproof heavy-duty vinyl cord $\phi 3.5$ 0.14 mm ² 4 cores 3 m	
Impact resistance	98 m/s ²	
Insulation resistance	50 M Ω or more (500 VDC Mega) between lead wire and case	
Withstand voltage	1000 VAC for 1 min. (between lead wire and case)	
Ambient temperature	-10 to 60°C	
Enclosure	IP40	
Mass	70 g	
Standard	CE marking	