

Trimmer Auto Switch

D-□7K/D-R□K



Sensor unit

Direct mounting type



Rail mounting type

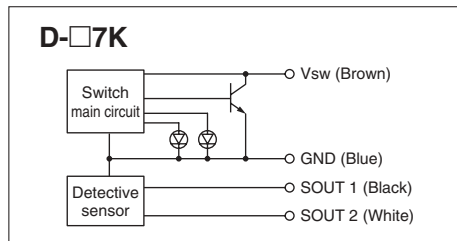


Amplifier unit

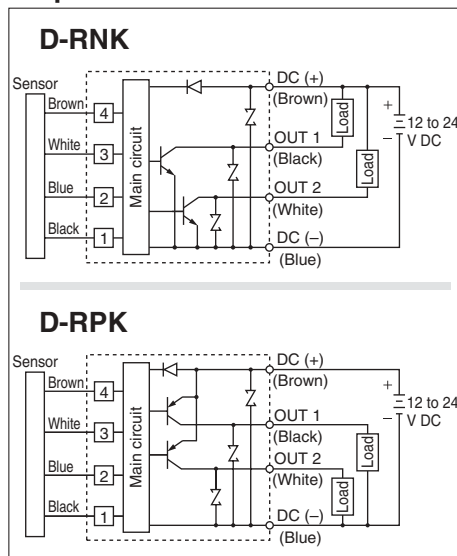


Internal Circuit

Sensor unit



Amplifier unit



Specifications

Sensor unit

Model	D-F7K	D-Y7K
Mounting	Rail mounting	Direct mounting
Applicable amplifier unit	D-RNK, D-RPK	
Status indication	Operating position: red light is ON. Suitable operating position: green light is ON.	
Electrical entry	Grommet	
Lead wire	Oil proof vinyl heavy insulation cable $\phi 3.5$ 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 (500 VDC) 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	
Weight	58 g (with connector)	

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)

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 Two outputs	PNP open collector Two outputs
Load voltage	28 VDC or less	—
Load current	80 mA or less	
Internal voltage drop	1.5 V or less	
Leakage current	100 μ A or less	
Response time	1 ms or less	
Status indication	READY: Red light emitting diode when the piston position detected. (When the sensor is connected). OUT 1: Green light emitting diode when ON OUT 2: Orange light emitting diode when ON	
Electrical entry	Connection to sensor	e-con connector
	Power supply/output cable	Grommet
Lead wire	Oil proof vinyl heavy insulation cable $\phi 3.5$ 0.14 mm ² 4 cores 3 m	
Impact resistance	98 m/s ²	
Insulation resistance	50 M Ω (500 VDC) between lead wire and case	
Withstand voltage	1000 V AC for 1 min. (between lead wire and case)	
Ambient temperature	-10 to 60 °C	
Enclosure	IP40	
Weight	70 g	