



Position Sensor Specifications

(RP1, RP2, RPS-1, & RPS-2)

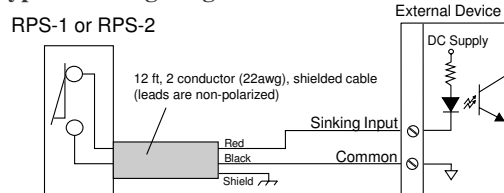
Position sensors are available in *normally open* and *normally closed* versions. Hall Effect (RP1 / RP2) and Reed Contact (RPS-1 / RPS-2) switches are compatible with the R Series Actuators. Switches are activated by two internal position indicating magnets on opposite sides of the drivenut.

- All sensors include a 12 ft [3.7m] shielded cable.
- Recommended minimum distance between switches is 0.65 inches [16.5mm].
- Sensors used for overtravel protection (mounted at the ends of travel) will reduce the actual travel by at least 0.3 inches [8mm] per sensor.

Position Sensor Specifications

Model #	RPS-1	RPS-2	RP1	RP2
Type	Magnetic Reed Switches Contact Closure		Hall Effect Sensors Open Collector, Sinking Output	
Connection	Normally Open	Normally Closed	Normally Open	Normally Closed
# of leads	2 Wire	2 Wire	3 Wire	3 Wire
Voltage (VDC)	100VDC	100VDC	8 - 28VDC	8 - 28 VDC
Voltage (VAC)	100VAC	100VAC	-----	-----
Current (Amps)	.25A	.20A	40ma	40ma
Power (Watts)	7W	2W	1.1W	1.1W
Supply Voltage (VDC)	-----	-----	8 - 28VDC	8 - 28 VDC
Supply Current (ma)	-----	-----	22ma	22ma
Supply Power (watts)	-----	-----	.6W	.6W
Operating Temperature	-22° to 212°F [-30° to 100°C]		-4° to 140°F [-20° to +60°C]	
Storage Temperature	-22° to 212°F [-30° to 100°C]		-22° to 176°F [-30° to 80°C]	
Humidity Rating	0 to 95% non-condensing		0 to 95% non-condensing	

Typical Wiring Diagram for RPS-1 and RPS-2



Typical Wiring Diagram for RP1 and RP2

