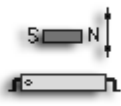


R2B-S NC SMD Reed Sensor

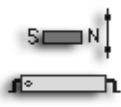
Actuation Distances

Release, operate and re-closure distances for the R2B-S normally closed SMD reed sensor in the three standard AT bands when actuated (as shown in the sketches) with NdFeB standard magnets is shown below. All distances given are in mm with tolerances of ± 0.5 mm. Although some of the AT band / magnet combinations will produce similar actuating distances, selecting the right AT band and magnet for an application is important and can be done by going through our AT band FAQ and our magnet selection guide.


R2B-S-0 (05-10 AT)

Actuation Sketch	Magnet	Dimensions	Release Distance	Operate Distance	Re-closure Zone
	NDR-T	4.0 x 1.5 x 1.5	3.5 – 5.0	4.0 – 8.0	< 0.5
	NDC-T	Ø2.0 x 4.0	4.0 – 7.0	5.0 – 10.0	< 1.0
	NDR-S	6.0 x 2.5 x 2.5	7.5 – 11.5	8.5 – 15.0	< 3.5
	NDC-S	Ø3.0 x 7.0	9.0 – 14.0	10.0 – 20.0	< 4.5
	NDR-M	8.0 x 3.0 x 3.0	11.0 – 17.0	12.0 – 23.0	< 5.5
	NDC-M	Ø4.0 x 10.0	14.0 – 21.0	15.0 – 28.0	< 7.0
	NDR-L	19.0 x 4.0 x 4.0	19.0 – 30.0	22.0 – 40.0	< 8.0
	NDC-L	Ø8.0 x 15.0	30.0 – 43.0	52.0 – 56.0	< 14.0

R2B-S-1 (10-15 AT)

Actuation Sketch	Magnet	Dimensions	Release Distance	Operate Distance	Re-closure Zone
	NDR-T	4.0 x 1.5 x 1.5	1.5 – 3.0	2.0 – 4.0	< 0.5
	NDC-T	Ø2.0 x 4.0	3.0 – 4.0	4.0 – 5.0	< 1.0
	NDR-S	6.0 x 2.5 x 2.5	6.0 – 8.0	7.0 – 9.0	< 3.0
	NDC-S	Ø3.0 x 7.0	7.5 – 10.0	8.5 – 11.0	< 3.5
	NDR-M	8.0 x 3.0 x 3.0	9.0 – 12.0	10.0 – 13.0	< 4.5
	NDC-M	Ø4.0 x 10.0	12.0 – 15.5	12.5 – 17.0	< 5.0
	NDR-L	19.0 x 4.0 x 4.0	16.0 – 21.0	18.0 – 24.0	< 7.0
	NDC-L	Ø8.0 x 15.0	25.0 – 31.0	26.0 – 34.0	< 12.0

R2B-S-2 (15-20 AT)

Actuation Sketch	Magnet	Dimensions	Release Distance	Operate Distance	Re-closure Zone
	NDR-T	4.0 x 1.5 x 1.5	1.0 – 2.0	1.5 – 2.5	< 0.5
	NDC-T	Ø2.0 x 4.0	2.0 – 3.0	2.5 – 4.0	< 1.5
	NDR-S	6.0 x 2.5 x 2.5	4.5 – 6.0	5.0 – 7.0	< 2.5
	NDC-S	Ø3.0 x 7.0	6.0 – 8.0	7.0 – 9.0	< 3.5
	NDR-M	8.0 x 3.0 x 3.0	8.0 – 10.0	9.0 – 11.0	< 4.5
	NDC-M	Ø4.0 x 10.0	10.0 – 13.0	11.0 – 14.0	< 5.0
	NDR-L	19.0 x 4.0 x 4.0	15.0 – 18.0	16.0 – 19.0	< 7.0
	NDC-L	Ø8.0 x 15.0	21.0 – 26.0	22.0 – 29.0	< 12.0

Due to continual improvement, specifications are subject to change without notice

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1 February 2008