

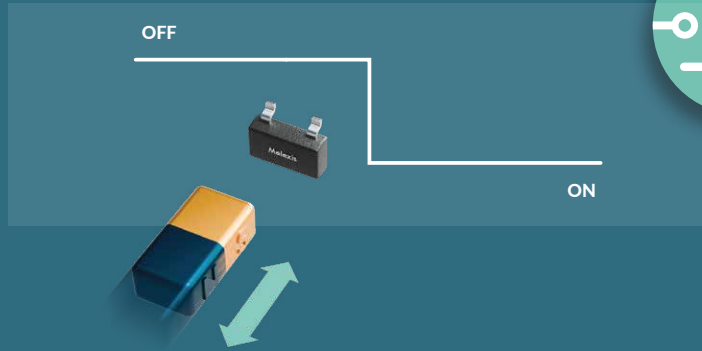
Switch ICs

Melexis Hall-effect Switch ICs deliver precise, contactless on/off proximity sensing and position detection. Designed to obsolete traditional mechanical and reed switches, they enhance flexibility, reliability, and functional safety across automotive, industrial, and consumer applications.



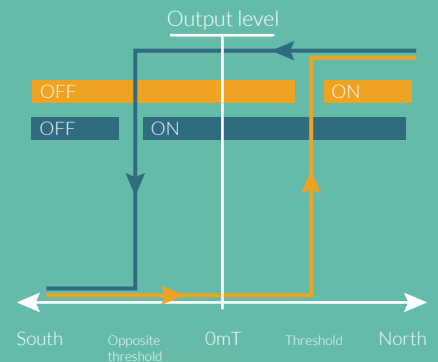
Key features

- ✓ Fixed or programmable (EoL)
- ✓ Broadest portfolio (Magnetic/Inductive)
- ✓ High integration (lateral sensing, PCB-less)
- ✓ Proven robustness (high ESD, up to 60 V supply)
- ✓ Safety & compliance (up to ASIL B, AEC-Q100)
- ✓ Package TSOT and options for UA, VA, DFN, SOIC-8



Highlights

	#wires	Supply	Sensing axis	Extra
MLX92212	3	2.5 to 5.5 V	Z	Cost optimal; low voltage supply
MLX92231/2	3	2.7 to 24 V	Z or X	Wide voltage range 2.7 to 24 V
MLX92241/2	2	2.7 to 24 V	Z or X	Wide voltage range 2.7 to 24 V; PCB-less
MLX92291/2	3	3.3 to 18 V	Z or X	ASIL B; micropower
MLX92361/2	3-6	4.5 to 28 V	Z, Y or X	Isolated output (100mA); micropower; daisy chain
MLX92351/2	4	2.7 to 60 V	2 of (Z, Y, X)	Voltage range up to 60 V; high ESD robustness
MLX92341/2	2-4	3 to 28 V	Z, Y or X	ASIL B; valid safety signal in < 100 µs
MLX92343/4	2	3 to 28 V	Z, Y or X	ASIL B; dual output; programming flexibility



Switch everywhere

- Automotive Safety & Body
- Consumer Electronics
- Industrial Automation



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INNOVATION WITH HEART