

# TOGGLE SWITCHES

A Guide to Selecting  
MICRO SWITCH Toggles



**Honeywell**

# WHATEVER YOU NEED A TOGGLE FOR HONEYWELL HAS IT



Aerospace, transportation, and industrial environments can present a lot of challenges for toggle switches. Hazardous locations. Harsh environments. Demanding electrical specifications to meet country-specific regulations. So they need to meet all these considerations, as well as being durable, reliable, accurate, and cost-appropriate.

Our MICRO SWITCH toggle switches are workhorses. They are available in configurations to meet nearly any design requirement, including military specs. They meet a variety of electrical and load requirements, including multi-pole alternatives, various housing and sealing options, and 2- or 3-position momentary/maintained action to meet circuitry requirements.

From standard to miniature sizes that save space and weight, Honeywell offers a variety of terminations, circuitries, and lever options for a number of applications. In addition, we have engineered optional lever locks (pull-to-unlock) that require two separate actions to actuate.

In addition to standard switching toggles, Honeywell is the only manufacturer with an uniquely designed integral solenoid switch that provides electrically maintained switch contacts (magnetic latching) for circuit requirements.

So when you need a toggle switch, investigate further to see what Honeywell can offer. We've been an industry leader in switches for aerospace, defense, transportation, and manufacturing, providing devices with proven, unmatched value for increased accuracy and durability that can enhance output, endurance, and safety.

## STRATEGIC MARKETS & APPLICATIONS

### AEROSPACE & MILITARY

- Military and commercial aerospace
- Military ground vehicles
- Flight controls
- Vehicle panel controls
- Flight decks
- Aviation ground support

### INDUSTRIAL & TRANSPORTATION

- Platform lifts
- Industrial equipment
- Construction equipment
- Agriculture machinery
- Railroad locomotives
- Process control
- Syringes (end of travel)
- Refrigeration

# CRITICAL & CAPABLE EXCELLING IN HARSH ENVIRONMENTS

When selecting a toggle switch, users might be tempted to think it's "just a toggle switch." Flip the lever to change the state. Simple. But while they're not especially complicated, there are several considerations to take into account to get years of reliable performance from your switch.

With literally hundreds of variations in sealing, circuitry options, housings, sizes, and more, Honeywell has toggles well suited for your application. Contact us to today to put our toggle switch expertise to work for you.

## TOGGLE SWITCH SELECTION CONSIDERATIONS

- Environmental sealing
- Size limits
- Amperage
- Electrical rating
- Panel size
- Function
- Poles and throws



SERIES	NT	TW	TL	AT	ET
<b>Sealing</b>	IP67/68; NEMA 3, 3R, 4 and 13	qualified to MIL-DTL-83781	qualified to MIL-DTL-3950	MIL-PRF-8805/26/98	most listings qualified to MIL-S-5594
<b>Operating temp.</b>	-40°C to 71°C [-40°F to 160°F]	-65°C to 71°C [-85°F to 160°F]	-65°C to 71°C [-85°F to 160°F]	various	-65°C to 71°C [-85°F to 160°F]
<b>Action</b>	2- or 3-position, momentary & maintained	2- or 3-position, momentary & maintained	2- or 3-position, momentary & maintained	2-position, momentary & maintained	2- or 3-position, momentary & maintained
<b>Termination</b>	solder, screw, quick connect	IWTS, solder, screw, quick connect, H58, T2	IWTS, solder, screw, quick connect, leadwire	solder, solder T2, screw, quick connect, leadwire, H58	screw, leadwire, turret
<b>Circuitry</b>	SPST, SPDT, DPST, DPDT, 4PST, 4PDT	SPST, SPDT, DPST, DPDT	SPST, SPDT, DPST, DPDT, 3PST, 3PDT, 4PST, 4PDT	SPDT, DPDT, DPNO, 3PDT, 4PDT, 6PDT, 8PDT, 10PDT	SPDT, DPDT, 4PDT
<b>Amp rating</b>	up to 20 A (resistive)	0.1 A to 5.0 A @ 0.5 Vdc to 28 Vdc; 0.1 A to 5.0 A @ 0.5 Vac to 115 Vac	up to 20 A (resistive)	0.01 A to 5 A (resistive)	7 A max. (resistive)
<b>Measurements</b>	58,4 mm H × 33,5 mm W × 22,6 mm D [2.3 in H × 1.32 in W × 0.89 in D]	49,78 mm H × 14,61 mm W × 14,61 mm D [1.96 in H × 0.575 in W × 0.575 in D]	58,4 mm H × 33,5 mm W × 22,6 mm D [2.3 in H × 1.32 in W × 0.89 in D]	various	51,56 mm H × 25,4 mm W × 25,4 mm D [2.03 in H × 1.0 in W × 1.0 in D]
<b>Approvals</b>	UL, CSA, CE, UKCA	UL, CSA, qualified to MIL-DTL-83781	UL, CSA, CE, UKCA, qualified to MIL-DTL-3950	qualified to MIL-PRF-8805/26/98	qualified to MIL-S-5594
<b>Features</b>	completely sealed switching chamber; enhanced tactile feedback	saves space and weight; sealed bushing versions	environment-proof sealing; qualified to MIL-DTL-3950	choice of sealed bushing; short behind panel depth	holding coil replaces mechanical holding mechanisms to maintain toggle in operate

## **WARRANTY/REMEDY**

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

### **For more information**

Honeywell Sensing & Safety Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or the nearest Authorized Distributor, visit [our website](#) or call:

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