

EXAMPLES OF APPLICATION SPECIFIC DESIGNS

### Flight Grip Rocker Switch

Compact lightweight design for flight grips and other space sensitive installations.

- Shallow mounting depth
- ON-OFF-ON spring return to center
- 2 circuit (N.O.–N.C.) switches
- Utilizes OTTO B3 Basic switches per MIL-PRF-8805/101
- Low level switching (10mA @ 30mV) or standard rating (see B3 pages)
- Black anodized housing
- Black molded button



**U2-621**

### Rocker Switch with Pushbuttons

This rocker switch with a beveled button style offers short behind panel depth by using two P8 momentary action, subminiature, double break pushbuttons. IP68S version available.

- Button:** Black Nylon
- Standard Rating:** 10 amps Resistive @ 28VDC
- Logic Level:** 10mA @ 5VDC
- U2-278**



### Hall Effect Rocker

This linear output Hall effect rocker switch will meet your needs when long life is required. Rated for 2.5 million cycles, it was designed for demanding applications and is fully protected against electromagnetic and radio frequency interference (EMI and RFI) up to 100V/M.



**U2-452**

### FNR - 3-Position Rocker

Compact, robust and reliable for grip or panel mount. The FNR is a 3-position switch that provides operator comfort by reducing the movement required to change direction and switch gears. The switch has a mechanical life of 1 million cycles.



**FNR-1002** Standard 3-position rocker with 36" 20 AWG wire leads

### Integrated Flip Guard

Combines a pushbutton and flip guard into one assembly, offering a reliable panel seal up to IP68S. The guard can be maintained open or closed or have spring return to close. Available for both commercial and military applications. It can be assembled with an OTTO P1, P3, P4 (up to 2 poles) or P5 series pushbutton.

- Electrical Life:** 25,000 cycles
- Button:** Thermoplastic
- Case:** Black hard coat anodized aluminum
- Rating:** 10 amps Resistive @ 28VDC



### Park Brake

This heavy duty push-pull switch was designed specifically for off-road heavy duty equipment. With an electrical life of 200,000 cycles and watertight to IP68S, the U2-326 park brake switch can withstand the most demanding applications.

- Push Force:** 13.0 (58 N) +/- 50%
- Pull Force:** 6.1 (27 N) +/- 50%
- Seal:** Watertight to IP68S
- Electrical Life:** 200,000 cycles
- Button:** Aluminum alloy, red anodized
- Housing:** Aluminum alloy, black anodized
- U2-651**



## EXAMPLES OF APPLICATION SPECIFIC DESIGNS

### 4-Way Toggle with Large Bat Handle

This T4 toggle switch is a momentary return to center 4-way toggle with a large cone-shaped bat handle.

**Enclosure Design:** MIL-DTL-8805, Symbol 2 - Dusttight

**Electrical Life:** 50,000 cycles

**Lever:** Stainless Steel

**Case & Mounting Plate:** Black anodized aluminum alloy

**Rating:** 5 amps Resistive @ 30VDC



### Low Level, Three-Position Trim Switch

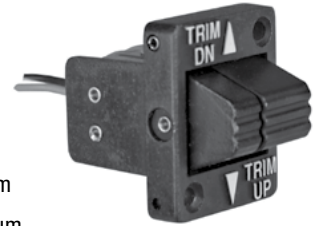
This low level trim switch is a double pole, double throw, center-off, three-position momentary switch. Poles may be operated independently. Made with three B2 basic switches, this switch is ideal for the aviation industry.

**Bezel:** Black chromium aluminum

**Buttons:** Black anodized aluminum

**Rating:** 10mA @ 30mV

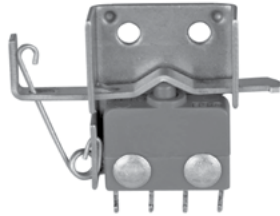
**U2-652**



### Door Interlock Switch

Features a defeat function for special purpose applications. Normal logic requires the assembly to be mounted so the switch button is engaged by the actuator when the door is closed. When the door is opened, the spring disengages the actuator to turn off the machine. The assembly features an OTTO B3 double break snap-action basic switch.

**U2-053**



### Miniature Toggle with Jeweled Handle

The jeweled handle on this miniature T3 toggle makes the switch easy to visually locate on a panel in low-light conditions. Works well in aviation applications or in any application where a control panel is populated with a large number of switches.

**Seal:** Sealed per MIL-DTL-83731

**Handle & Lever:** Stainless steel

**Bushing:** In accordance with MIL-DTL-3950

**Rating:** 5 amps Resistive @ 28VDC

**T3-10129**



### Emergency Pushbutton

This emergency pushbutton switch is designed to prevent inadvertent actuation. The operator's finger must be directed into the protective cup before the OTTO 4 pole pushbutton switch can be actuated. Edge backlighted.

**Enclosure Design:** MIL-DTL-8805, Symbol 2 - Dusttight

**Operate Force:** 7 +/- 1 lb.

**Rating:** 10 amps Resistive @ 28VDC



### T3 Toggle with Custom Engraved Bat Handle

Add a custom engraved legend, lettering or logo to the bat handle of this miniature toggle with snap-action contact actuation. This toggle, with a 15/32-32 bushing, is an excellent choice for switching loads from logic level up to 5 amps.

**Bat Handle:** Anodized aluminum in a variety of colors

**Rating:** 5 amps Resistive @ 28VDC

