

EXAMPLES OF APPLICATION SPECIFIC DESIGNS

**Two-Step Trigger Switch with
Boot Retaining Feature**

This trigger switch was designed for applications requiring installation of a sealing boot. This switch has an actuating force of 3.0 lbs. to make the first pole; 6.5 lbs. passing through a detent to actuate the second pole. Sealed to IP68S, the body is black and the trigger is red.

Rating: 10 amps Resistive @ 28VDC
U2-605

**Two-Step Sealed Trigger Switch**

This precision trigger switch offers two level operation with positive detent between levels. First level operates with 2.5 lbs. of force. It is moistureproof and dusttight sealed per MIL-PRF-8805, Sym. 2. The switch also provides electromagnetic pulse shielding. Trigger is gray. Body is black. Features OTTO B3 basic switches per MIL-PRF-8805.

Rating: 8 amps Resistive @ 28VDC
U2-037

**Single Step Trigger Switch**

This trigger switch is an excellent choice when a two step trigger is not required. Actuating force is 3 lbs. to pass through the detent and will continue travel after the detent.

Button: Grey thermoplastic
Housing: Black thermoplastic
Side covers: Black anodized aluminum
Rating: 7 amps Resistive @ 28VDC
U2-054

**Military Qualified Trigger Switch**

This precision trigger switch has an actuating force of 2.25 lbs. to make the first pole; 6.5 lbs. passing through a detent to actuate the second pole. Housing is black thermoplastic, button is red thermoplastic. Two models:

Cat. No.	MILITARY No.	Width (inches)
U2-016	M8805/111-01	0.641 +/- 0.016
U2-025	M8805/111-04	0.762 +/- 0.025

Rating: 7 amps @ 28VDC

**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 to facilitate actuation. IP68S version available.

Standard Rating: 10 amps Resistive @ 28VDC
Low Level: 10mA @ 30mV

U2-278

**Hall Effect Rocker**

This linear 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. Enhanced visibility with backlit lighting so switching is easy to see in poor or nighttime lighting. The internal switch has a mechanical life of 1 million cycles.

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



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Dome Pushbutton with Sealing Boot

Designed for industrial environments, this momentary action, commercial grade P3 pushbutton is made with a built-in sealing boot for added protection against dust, sand and water ingress.

Seal: Watertight to IP68S

Electrical Life: 100,000 cycles

Button: Valox

Case: Aluminum alloy, black anodized

Rating: 10 amps Resistive @ 28VDC

P3-90291-1



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

U2-326



4-Way Toggle with Large Bat Handle

This custom T4 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

T4-0315



Low Level, Three-Position Trim Switch

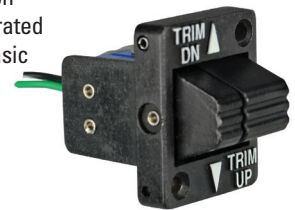
This low level trim switch is a double pole, double throw, center-off, three-position momentary switch. Poles may be operated independently. Made with three B2 basic switches, this switch is ideal for the aviation industry.

Bezel: Black chromium aluminum

Buttons: Black anodized aluminum

Rating: 10mA @ 30mV

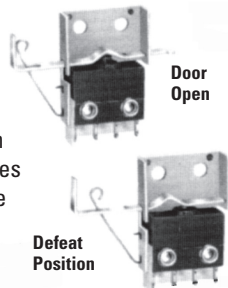
U2-451



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. See B3 pages 10-11.

U2-053



Miniature Toggle with Jeweled Handle

This miniature toggle was designed specifically for an aviation application.

Seal: Sealed per MIL-DTL-83731

Handle & Lever: Stainless steel with lusterless finish

Bushing: In accordance with MIL-DTL-3950

Rating: 5 amps Resistive @ 28VDC

T3-10098



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 is an excellent choice for switching loads from logic level up to 5 amps.

Bat Handle: Red anodized stainless steel

Bushing: 15/32-32

Rating: 5 amps Resistive @ 28VDC



Emergency Pushbutton

To prevent inadvertent actuation, the operator's finger must be directed into the protective cup before the OTTO high-force pushbutton switch can be energized. Designed as an aircraft jettison switch, this deep shrouded configuration can be adapted and applied wherever precise, no-error pushbutton switching is required.

P1-90166



Edge backlighted for night vision operation available as P1-90158