

EXAMPLES OF APPLICATION SPECIFIC DESIGNS

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

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-S-8805/101
- Low level switching (10mA @ 30mV) or standard rating (see B3 page)
- Black anodized housing
- Black molded button

U2-351



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, button is red. 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

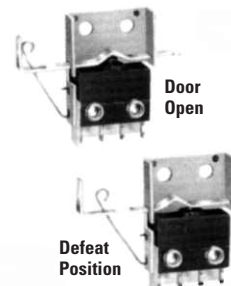
Rating: 7 amps @ 28VDC



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 page.

U2-053



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 color is gray. Body is black. Features OTTO B3 basic switches per MIL-PR-8805.

Rating: 8 amps Resistive @ 28VDC

U2-037



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



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



Custom Control Module

The redesigned U2-472 utilizes HP7 Hall Effect switches and flex circuit with an on board connector, replacing traditional P9s and discrete wiring to increase life and speed up installation.

- HP7 switches with 10 million cycle life
- Flex circuit reduces assembly labor and cost
- Customer termination via onboard connector
- Designed and tooled to customer's specifications
- Finite Element Analysis (FEA) utilized to optimize assembly life

U2-472



FNR

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.

HFNR-XX Hall Effect 3-position rocker with backlighting

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

