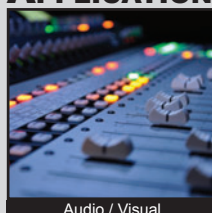


ULV4 SERIES ANTI-VANDAL SWITCH

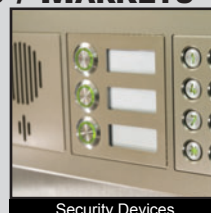
ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



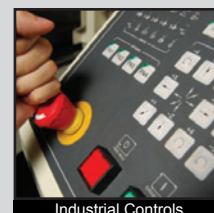
APPLICATIONS / MARKETS



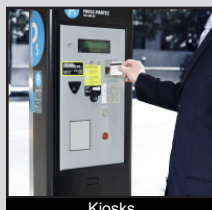
Audio / Visual



Security Devices



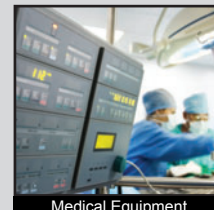
Industrial Controls



Kiosks



Electrical Housewares



Medical Equipment

C **RU** US

RoHS

SPECIFICATIONS

Electrical Rating: 3A, 250VAC
Mechanical Life: 1,000,000 cycles (momentary); 500,000 cycles (latching)
Electrical Life: 50,000 Cycles
Contact Resistance: 50mΩ
Insulation Resistance: 1000 MΩ @ 500VDC
Dielectric Strength: 2,000VAC
Operating/Storage Temperature: -20°C to 55°C
Travel: 3.2mm
Moisture Protection: IP67
Contact Arrangement: SPDT or DPDT
Actuation Force: Single Pole: 2.5N; Double Pole: 3.5N
Panel Thickness: 1-10mm
Hex Nut Torque: 5-14Nm
Mechanical Impact Protection: IK10
Agency Approvals: cURus

FEATURES & BENEFITS

- 19mm diameter panel cutout
- Dot or ring or power illumination options available
- Multiple switch functions available
- Multiple illumination voltage options
- IP67 rated
- SPDT or DPDT
- UL Listed
- Custom graphics available

PART NUMBER CONFIGURATOR

Series	Actuator Options	Terminal Options	Function Options	Body Finish Options	Actuator Finish Options	Contact Material Options	Lens Style Options	LED Color Options	Illumination Voltage Options
ULV4	F - Flat	2 - Solder	3 - 1P ON-ON
B - 1P ON-(ON)*
G - 2P ON-ON
H - 2P ON-(ON)*	N - Nickel Plated
S - Stainless Steel
1 - Black Anodized	N - Nickel Plated
S - Stainless Steel
1 - Black Anodized	None - Silver
G - Gold	None - Non-Illuminated
2 - Dot Illumination
3 - Ring, moveable with actuator
5 - Power symbol	None - Non-Illuminated
0 - White
1 - Red
2 - Orange
3 - Green
4 - Blue
5 - Yellow	None - Non-Illuminated
1 - 3V
3 - 6V
4 - 12V
5 - 24V
6 - 110V
7 - 220V

NOTES:
 *() denotes function is momentary
 Call us for custom graphic options 800-867-2717

Specifications subject to change without notice



E-SWITCH®

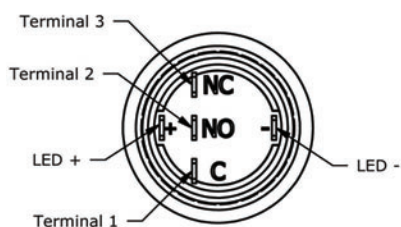
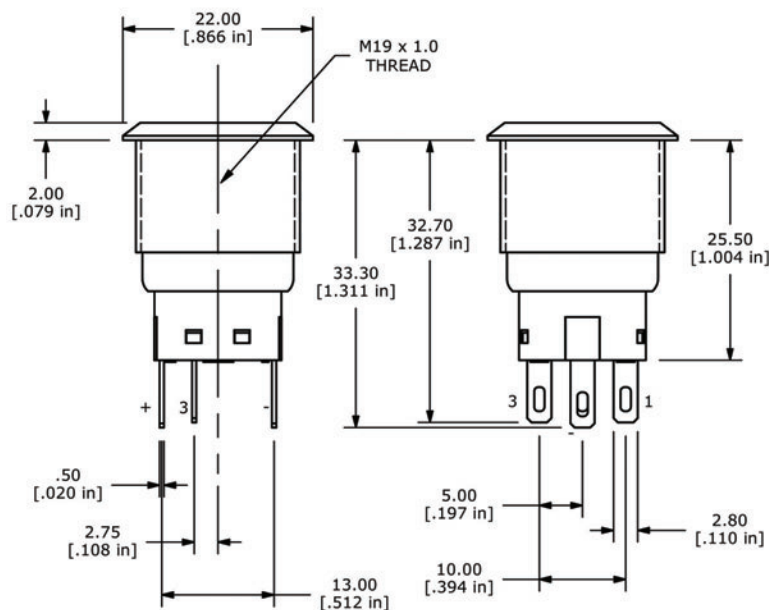
www.e-switch.com

800.867.2717

2

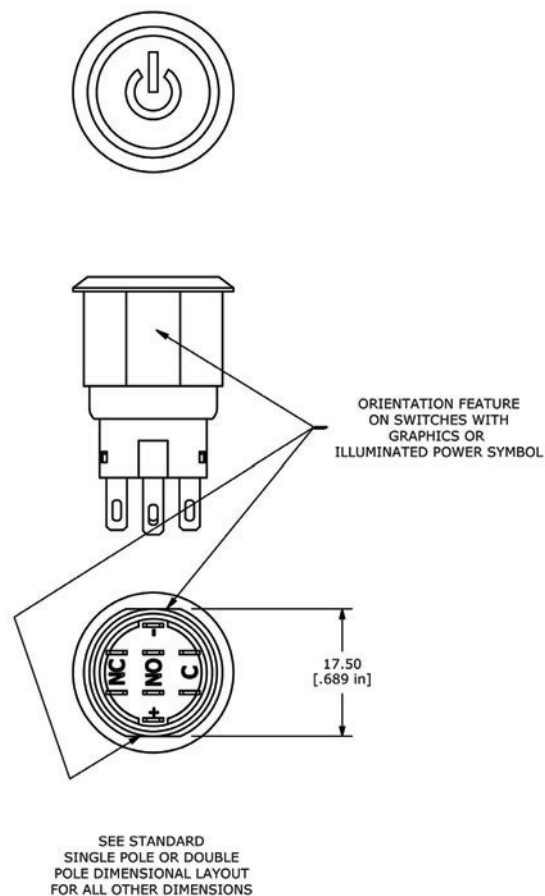
ULV4 SERIES ANTI-VANDAL SWITCH

BODY DIMENSIONS - SPDT



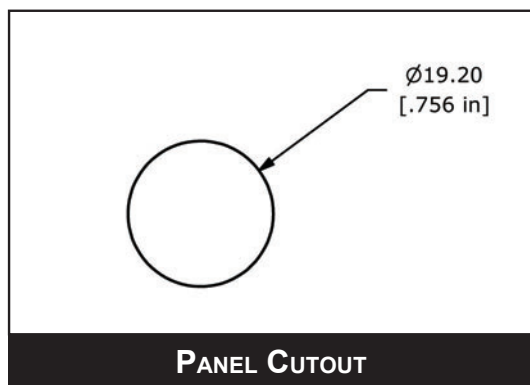
SPDT Illuminated
Option Shown.
The LED + and - terminals
are not included on
the non-illuminated options

SPDT SWITCH DIMENSIONS

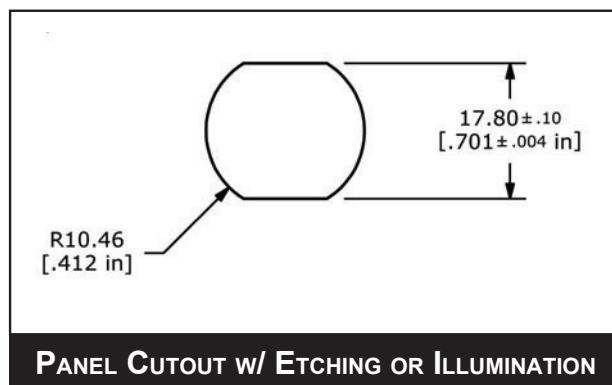


SEE STANDARD
SINGLE POLE OR DOUBLE
POLE DIMENSIONAL LAYOUT
FOR ALL OTHER DIMENSIONS

GRAPHIC OPTIONS



PANEL CUTOUT



PANEL CUTOUT W/ ETCHING OR ILLUMINATION



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ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS

CAP OPTIONS	TOGGLE SWITCHES	TACTILE SWITCHES	SNAP ACTION SWITCHES	SLIDE SWITCHES	ROTARY SWITCHES	ROCKER SWITCHES	PUSHBUTTON SWITCHES	NAVIGATION SWITCHES	KEYLOCK SWITCHES	DIP SWITCHES	DETECTOR SWITCHES	ANTI-VANDAL SWITCHES
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Technical drawing of the M19 x 1.0 Thread connector, showing front and side views with dimensions in inches and millimeters.

Front View Dimensions:

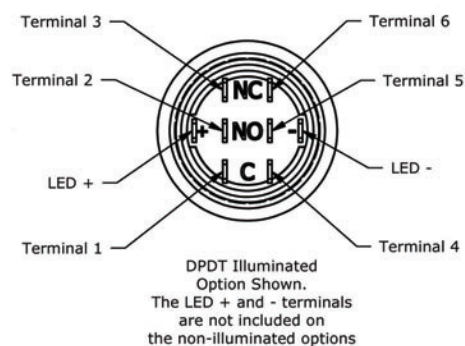
- Top flange width: 22.00 [0.866 in]
- Top flange thickness: 2.00 [0.079 in]
- Overall height: 33.30 [1.311 in]
- Bottom flange width: 5.50 [0.217 in]
- Bottom flange thickness: 0.50 [0.020 in]
- Pin spacing (center-to-center): 13.00 [0.512 in]
- Pin diameter: 2.80 [0.110 in]
- Pin length: 10.00 [0.394 in]

Side View Dimensions:

- Overall height: 32.70 [1.287 in]
- Bottom flange thickness: 25.50 [1.004 in]
- Pin spacing (center-to-center): 5.00 [0.197 in]
- Pin diameter: 2.80 [0.110 in]
- Pin length: 10.00 [0.394 in]

Thread Specification: M19 x 1.0 THREAD

Pin Configuration: The front view shows pins labeled 3, 6, and - (negative). The side view shows pins labeled 6, 0, and 4.



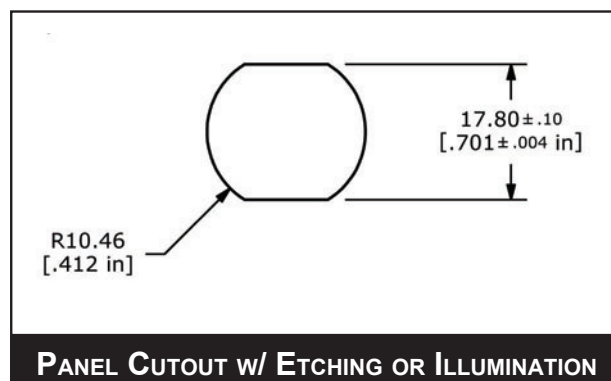
ORIENTATION FEATURE
ON SWITCHES WITH
GRAPHICS OR
ILLUMINATED POWER SYMBOL

17.50
[.689 in]

SEE STANDARD
SINGLE POLE OR DOUBLE
POLE DIMENSIONAL LAYOUT
FOR ALL OTHER DIMENSIONS

Ø19.20
[.756 in]

PANEL CUTOUT

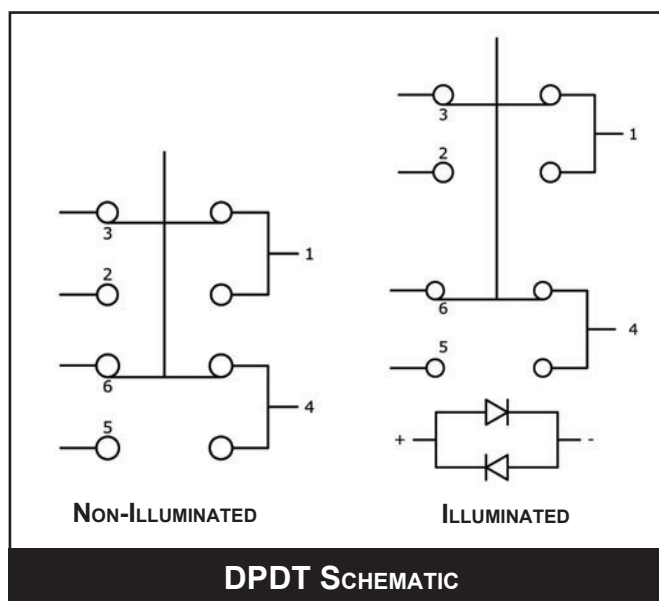


ANTI-VANDAL SWITCHES	DETECTOR SWITCHES	DIP SWITCHES	KEYLOCK SWITCHES	NAVIGATION SWITCHES	PUSHBUTTON SWITCHES	ROCKER SWITCHES	ROTARY SWITCHES	SLIDE SWITCHES	SNAP ACTION SWITCHES	TACTILE SWITCHES	TOGGLE SWITCHES	CAP OPTIONS
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The diagram illustrates the SPDT (Single Pole Double Throw) schematic for a relay. It is divided into two parts: **Non-Illuminated** and **Illuminated**.

Non-Illuminated: This part shows the relay in its default state. A common terminal (1) is connected to terminal 3. Terminal 2 is shown but not connected to the common terminal.

Illuminated: This part shows the relay in its energized state. A common terminal (1) is connected to terminal 2. Terminal 3 is shown but not connected to the common terminal. Below this, a diode symbol is shown with a '+' sign on the left and a '-' sign on the right, indicating the polarity of the illumination signal.



Ø22.00
[.866 in]

Ø15.50
[.610 in]

NON-ILLUMINATED

