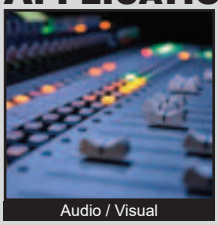
# PV6 Series Anti-vandal Switch





## Applications / Markets


Audio / Visual


Security Devices


Industrial Controls


Kiosks


Electrical Housewares


Medical Equipment

## Specifications

**Electrical Rating:** 2A, 48VDC
**Mechanical Life:** 1,000,000 Cycles
**Electrical Life:** 50,000 Cycles
**Contact Resistance:** 50mΩ Max.
**Insulation Resistance:** 1000 MΩ Min.
**Dielectric Strength:** 2,000VAC
**Operating/Storage Temperature:** -40°C to 85°C
**Travel:** 1.80mm (Non-Illuminated)
2.20mm (Illuminated)
**Moisture Protection:** IP65
**Contact Arrangement:** SPST Off-(On)
**Actuation Force:** 400 gf
**Panel Thickness:** 1-10mm
**Max Thread Torque:** 5-14Nm
**Recommended Mounting Torque**: .6Nm

## Features & Benefits

- **16mm diameter panel cutout**
- **Single, Bi-color, and RGB LED options**
- **Dot or ring illumination options available**
- **Illuminated ring with laser etched power symbol graphic option**
- **Illuminated ring and power symbol graphic option**
- **Multiple actuator options**
- **Pilot indicator option**
- **IP65 rated, Off-(On), SPST**
- **Soldered wire leads (300mm long) optional**

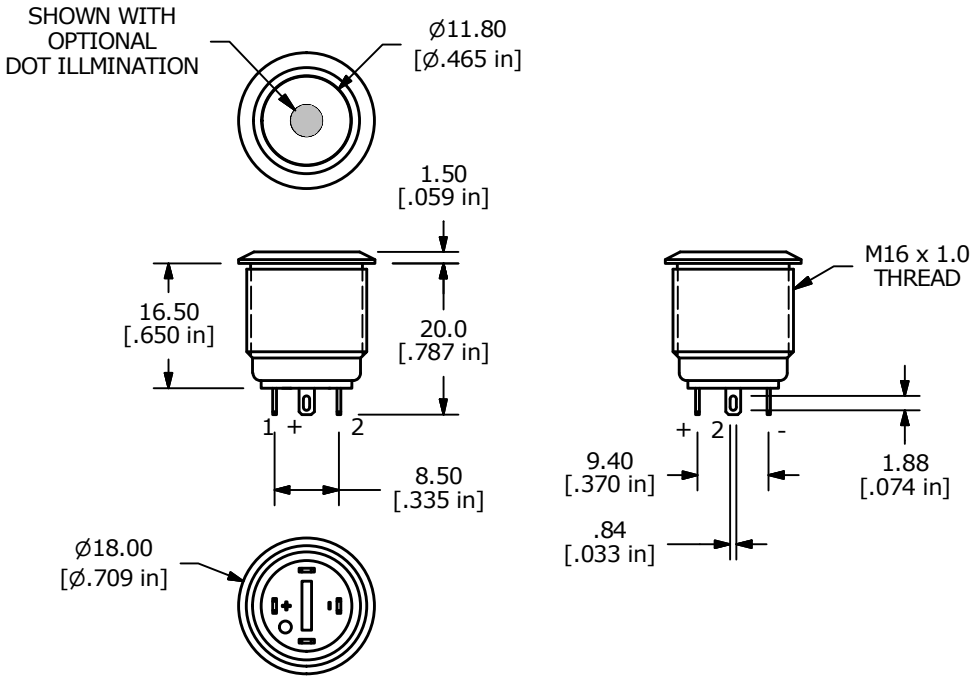
## Part Number Configurator

| Series | Actuator Options | Terminal Options | Function Options | Rating Options | Body Finish Options | Actuator Finish Options | Contact Material Options | Lens Style Options | LED Color Options | Illumination Voltage Options | Graphic Options |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PV6 | **F** - Flat<br>**H** - High | **2** - Solder<br>**W** - Wire Leads 300mm long | **4** - Off - (On)*<br>**P** - Pilot Indicator** | **0** - 2A, 48VDC<br>**X** - Pilot Indicator | **N** - Nickel Plated<br>**S** - Stainless Steel<br>**1** - Black Anodized | **N** - Nickel Plated<br>**S** - Stainless Steel<br>**1** - Black Anodized | **NONE** - Silver<br>**G** - Gold | **NONE** - Non-Illuminated<br>**2** - Dot Illumination<br>**3** - Ring Illumination | **NONE**- Non-Illuminated<br>**0** - White<br>**1** - Red<br>**2** - Orange<br>**3** - Green<br>**4** - Blue<br>**5** - Yellow<br>**F** - Red/Orange<br>**G** - Red/Green<br>**H** - Red/Blue<br>**J** - Red/Yellow<br>**K** - Orange/Green<br>**L** - Orange/Blue<br>**M** - Orange/Yellow<br>**R** - RGB | **NONE** - Non-Illuminated<br>**1** - Base Voltage‡ | **NONE** - Base<br>**M01** - Illuminated Ring Laser Etched Power Symbol<br>**M15** - Illuminated Ring and Power Symbol |

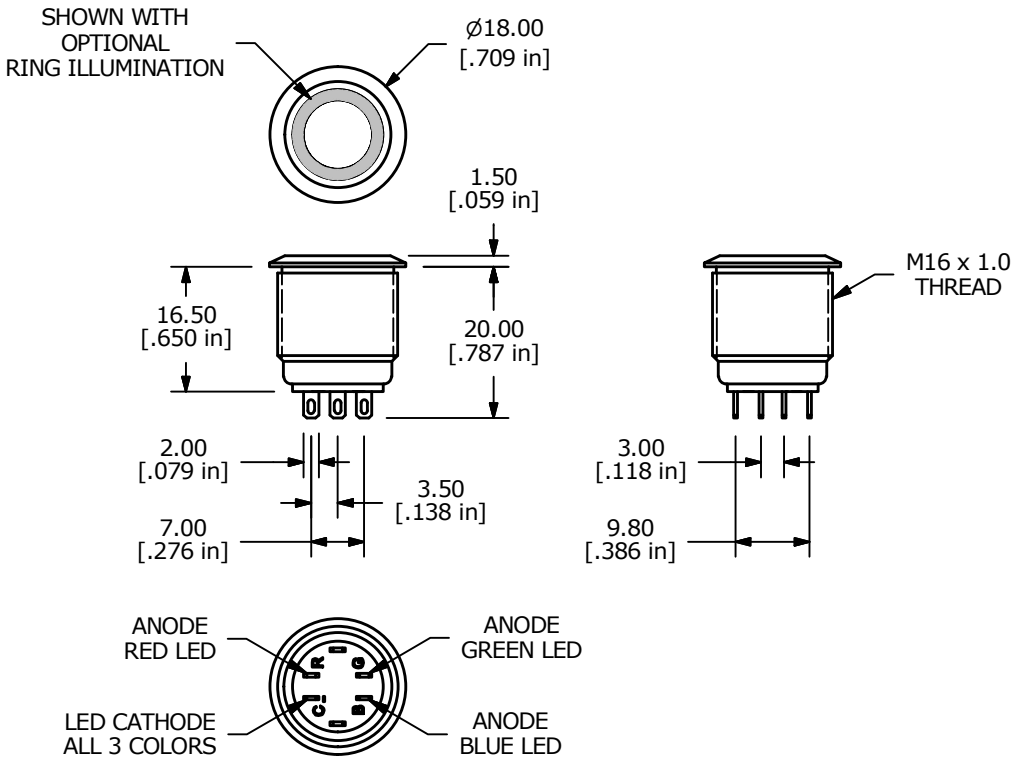
**NOTES:**
*(On) denotes function is momentary
**Pilot indicator does not have internal switch contacts, only illumination
‡Base voltage for LED colors red, yellow, and orange is 1.8V @ 20mA
‡Base voltage for LED colors blue, green and white is 2.8V @ 20mA

*Specifications subject to change without notice 8.28.2025*

## Body Dimensions
## LED Illumination



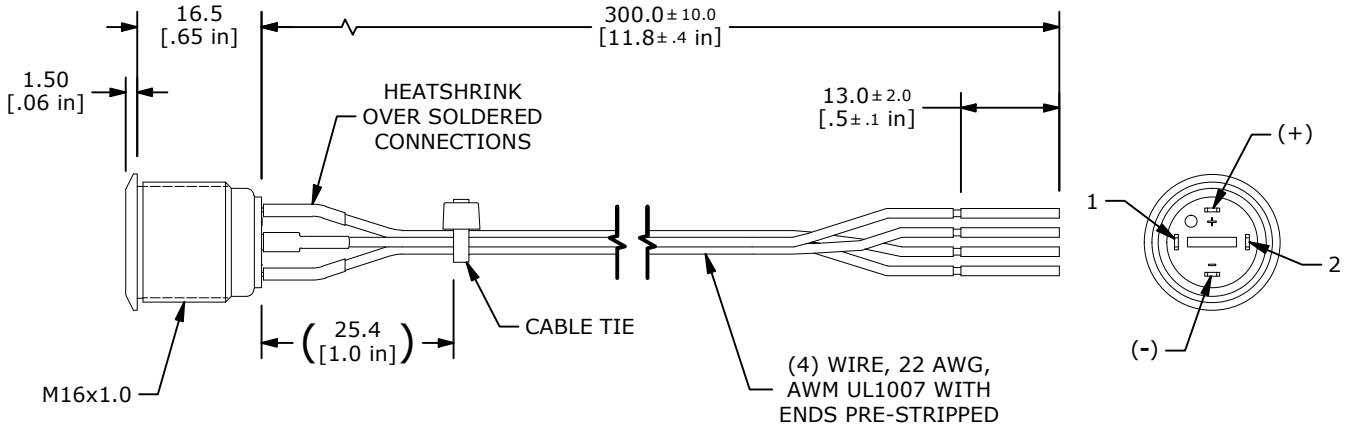

## Body Dimensions
## RGB Illumination

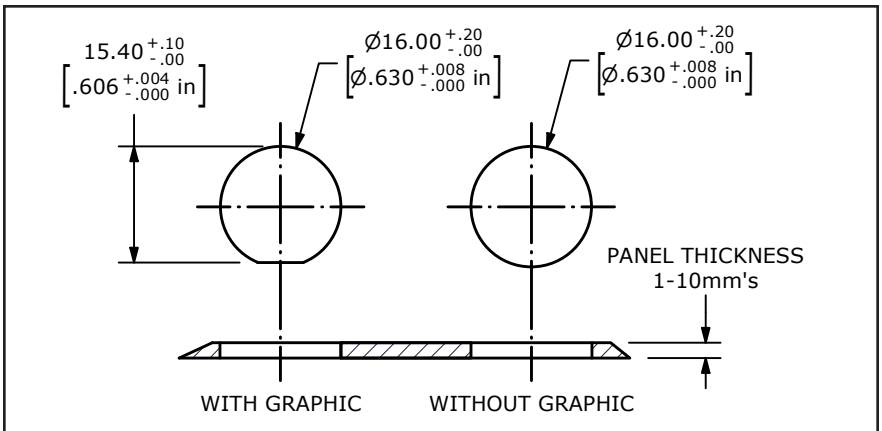


## Body Dimensions
## Standard LED
## Wire Lead

| SWITCH | WIRE | LENGTH |
|---|---|---|
| SW1-1 | WIRE, 22AWG AWM UL1007, WHITE | 300.0 [11.8 in] |
| SW1-2 | WIRE, 22AWG AWM UL1007, GREEN | 300.0 [11.8 in] |
| SW1- (+) | WIRE, 22AWG AWM UL1007, RED | 300.0 [11.8 in] |
| SW1- (-) | WIRE, 22AWG AWM UL1007, BLACK | 300.0 [11.8 in] |

** WIRE LEADS PROVIDED ARE DEPENDANT ON THE FUNCTION AND/OR ILLUMINATION SELECTED **



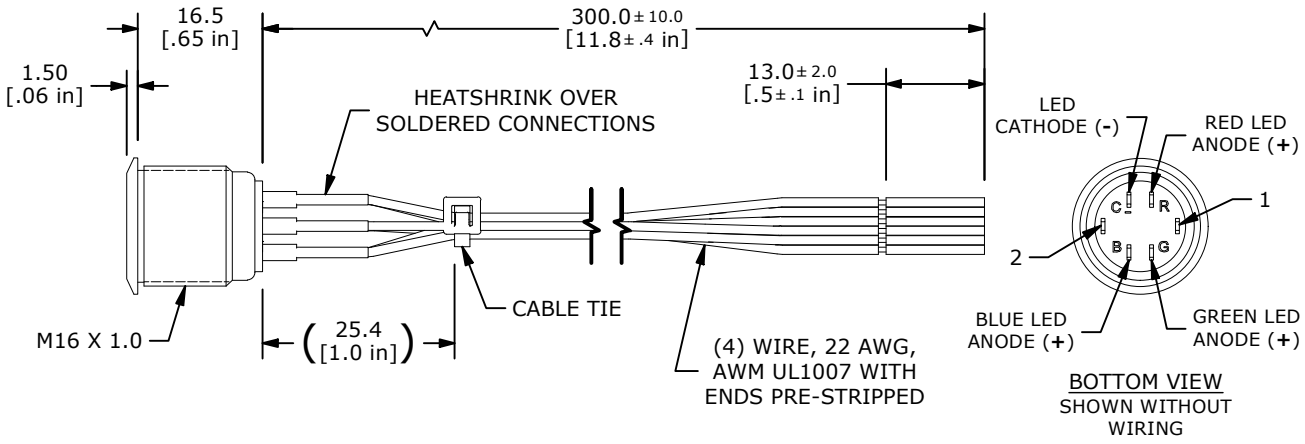



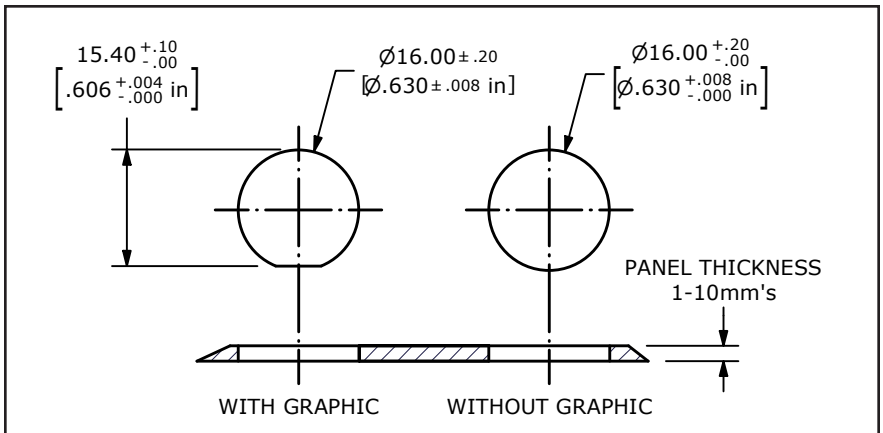

**Recommended Panel Cutouts**

## Body Dimensions
## Standard RGB
## Wire Lead

| SWITCH | WIRE |
|---|---|
| SW1-1 | WIRE, 22AWG STRANDED AWM UL1007, WHITE |
| SW1-2 | WIRE, 22AWG STRANDED AWM UL1007, YELLOW |
| SW1-RED (+) | WIRE, 22AWG STRANDED AWM UL1007, RED |
| SW1-GREEN (+) | WIRE, 22AWG STRANDED AWM UL1007, GREEN |
| SW1-BLUE (+) | WIRE, 22AWG STRANDED AWM UL1007, BLUE |
| SW1- (-) | WIRE, 22AWG STRANDED AWM UL1007, BLACK |

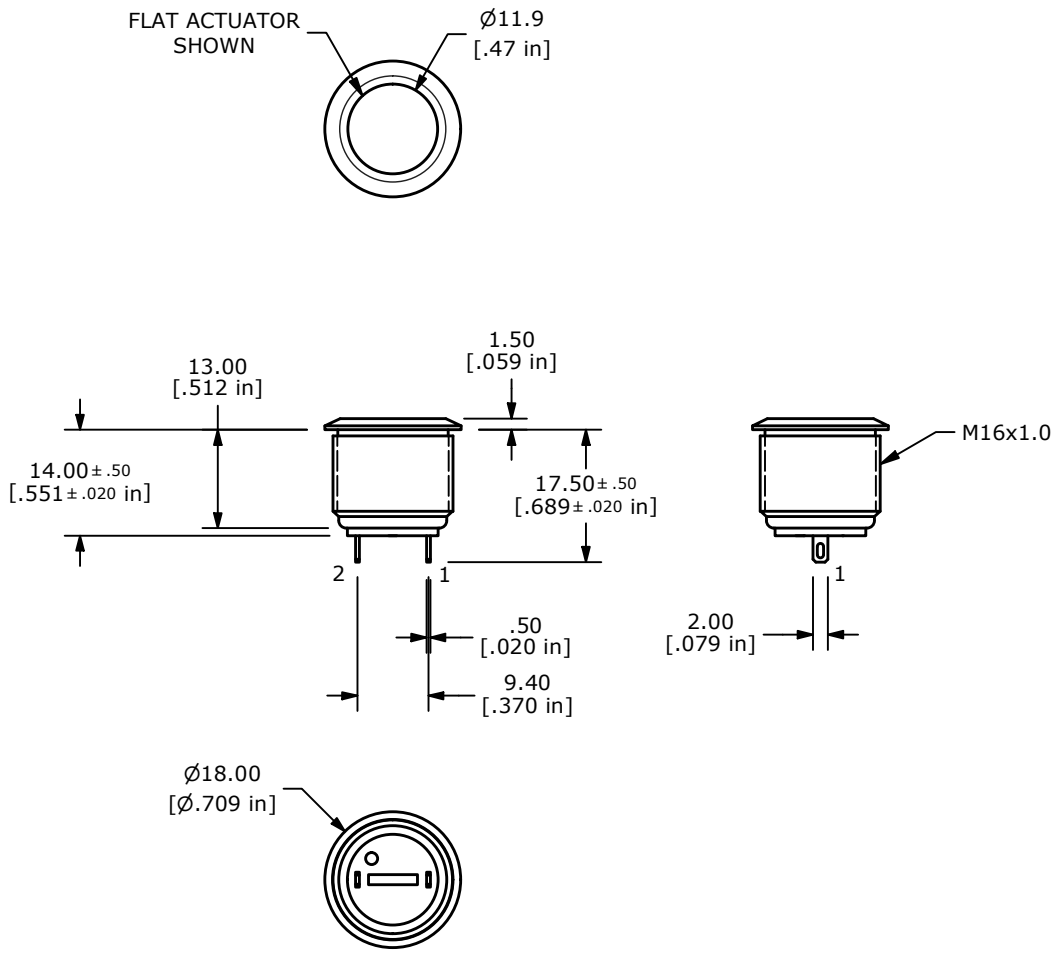
** WIRE LEADS PROVIDED ARE DEPENDANT ON THE FUNCTION AND/OR ILLUMINATION SELECTED **



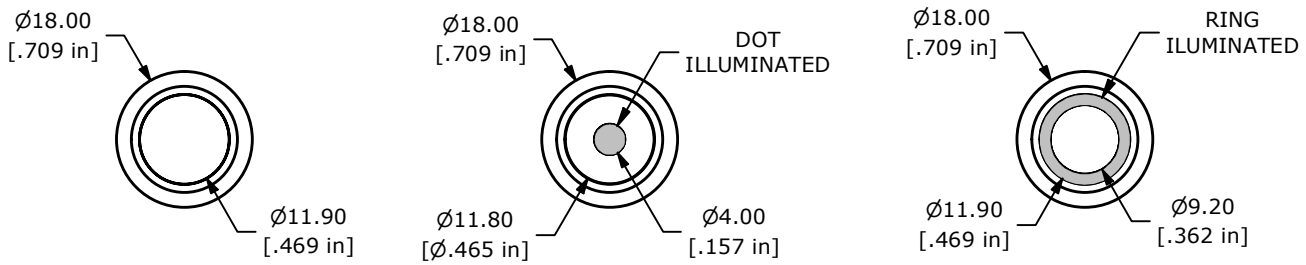




**Recommended Panel Cutouts**

## Body Dimensions
## Non Illuminated

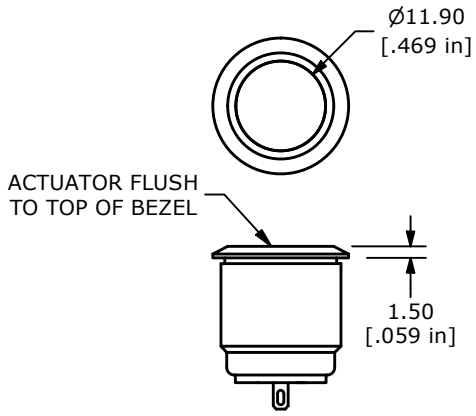



## Illumination Options

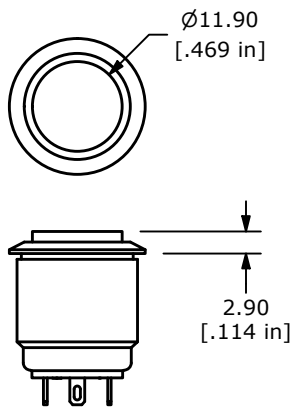



**Non-Illuminated** **Dot Illuminated** **Ring Illuminated**

## Actuator Options

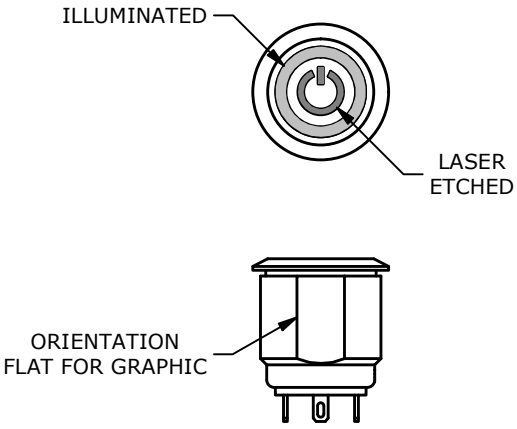



**Flat Actuator**

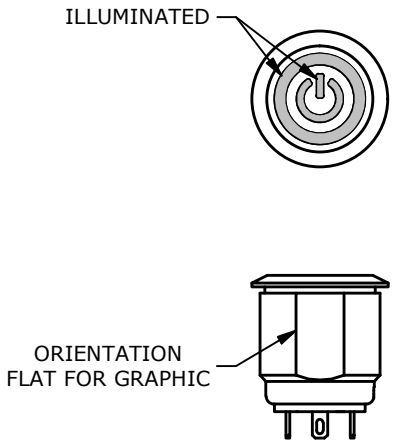



**High Actuator**

## Graphic Options

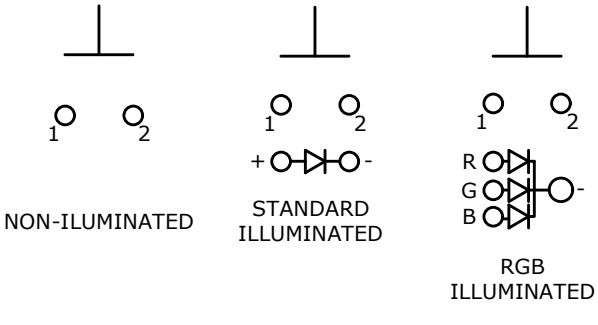


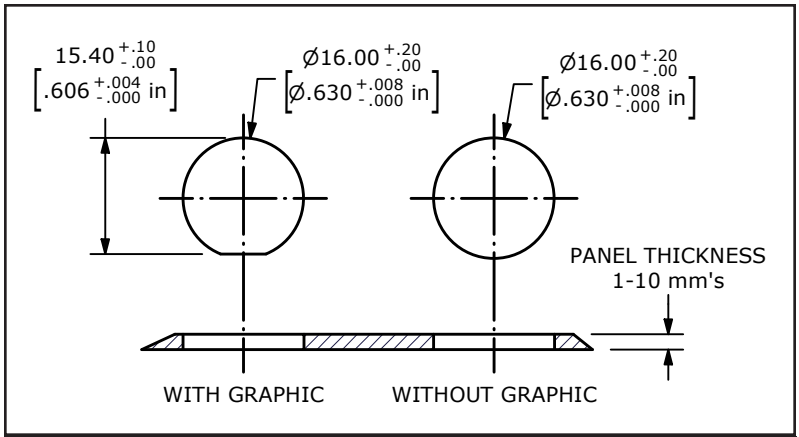

**M01 - Illuminated Ring Laser Etched Power Symbol**




**M15 - Illuminated Ring and Power Symbol**

## Schematics and Panel Cutouts




**Recommended Panel Cutouts**