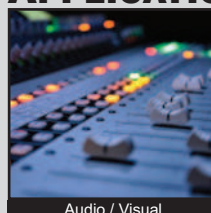


PV6 SERIES ANTI-VANDAL SWITCH



APPLICATIONS / MARKETS



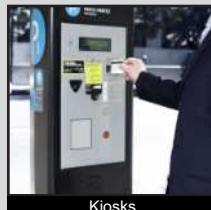
Audio / Visual



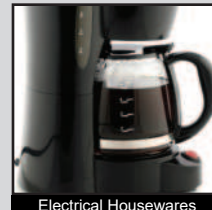
Security Devices



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: -20°C to 55°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
Mounting Nut Torque: 5-14Nm

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 H - High	2 - Solder W - Wire Leads 300mm long	4 - Off - (On)* P - Pilot Indicator**	0 - 2A, 48VDC X - Pilot Indicator	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 Illumination	NONE - Non-Illuminated 0 - White 1 - Red 2 - Orange 3 - Green 4 - Blue 5 - Yellow F - Red/Orange G - Red/Green H - Red/Blue J - Red/Yellow K - Orange/Green L - Orange/Blue M - Orange/Yellow R - RGB	NONE - Non-Illuminated 1 - Base Voltage<sup>‡</sup>	NONE - Base M01 - Illuminated Ring Laser Etched Power Symbol 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 6.16.2021



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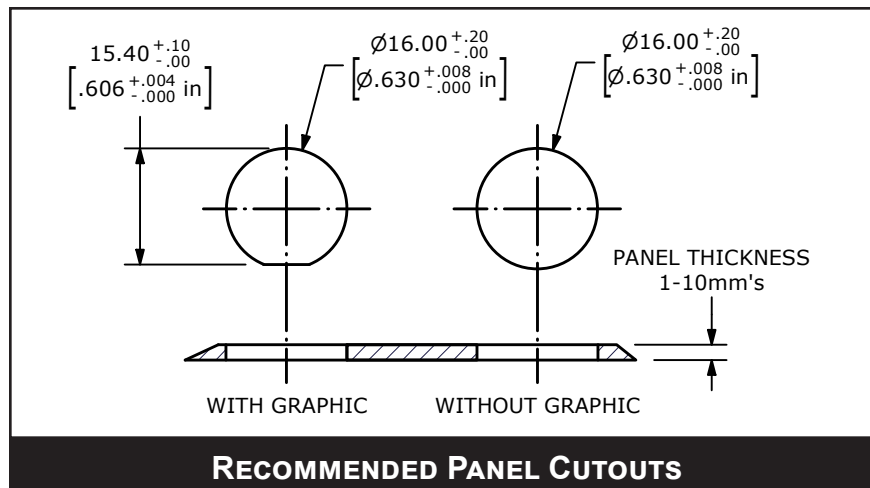
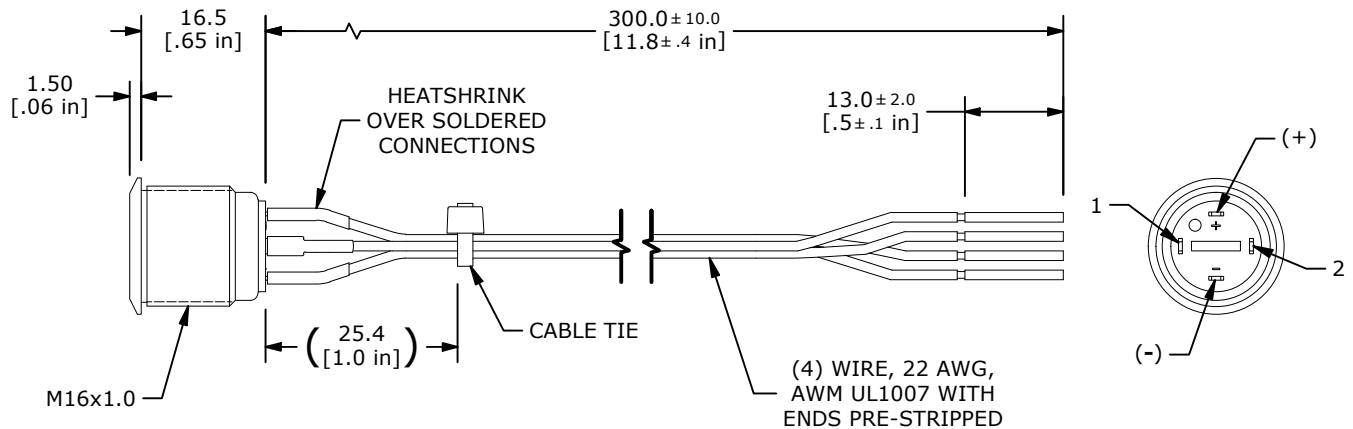
1

PV6 SERIES ANTI-VANDAL SWITCH

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 **



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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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

Technical drawing of the LED assembly showing side and bottom views with dimensions and labels.

Side View Dimensions:

- Overall length: 300.0 ± 10.0 [11.8 $\pm$.4 in]
- Distance from mounting flange to cable tie: 16.5 [.65 in]
- Distance from cable tie to LED: 13.0 ± 2.0 [.5 $\pm$.1 in]
- Mounting flange diameter: 1.50 [.06 in]
- Mounting flange thread: M16 X 1.0
- Distance from mounting flange to soldered connections: 25.4 [1.0 in]

Labels and Features:

- HEATSHRINK OVER SOLDERED CONNECTIONS
- CABLE TIE
- (4) WIRE, 22 AWG, AWM UL1007 WITH ENDS PRE-STRIPPED
- LED CATHODE (-)
- RED LED ANODE (+)
- BLUE LED ANODE (+)
- GREEN LED ANODE (+)

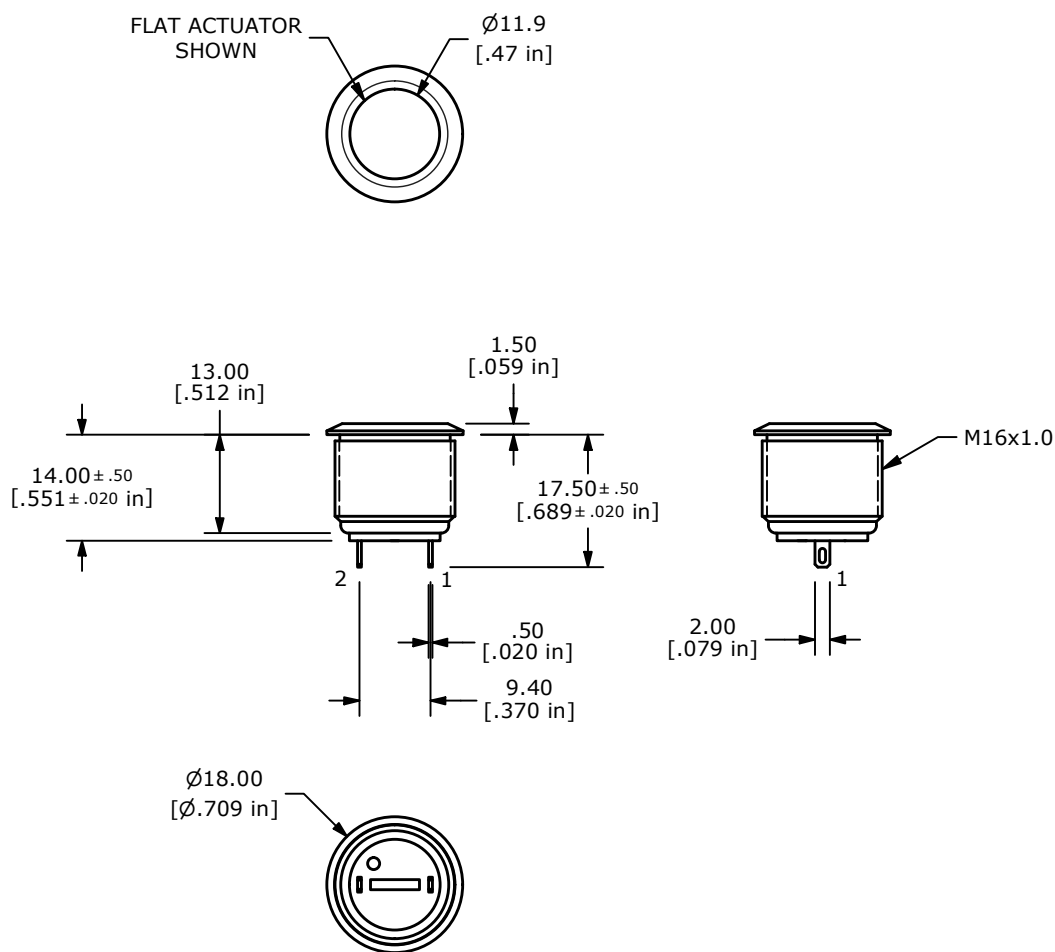
Bottom View (Shown Without Wiring):

- Shows the circular LED footprint with four pins labeled C, R, B, and G.
- Pin 1 is the Red LED Anode (+).
- Pin 2 is the Blue LED Anode (+).
- Pin 3 is the Green LED Anode (+).
- Pin 4 is the LED Cathode (-).

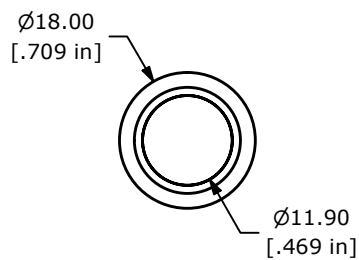


PV6 SERIES ANTI-VANDAL SWITCH

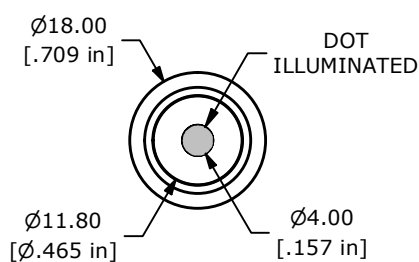
BODY DIMENSIONS NON ILLUMINATED



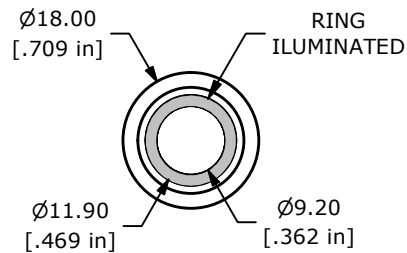
ILLUMINATION OPTIONS



NON-ILLUMINATED



DOT ILLUMINATED



RING ILLUMINATED



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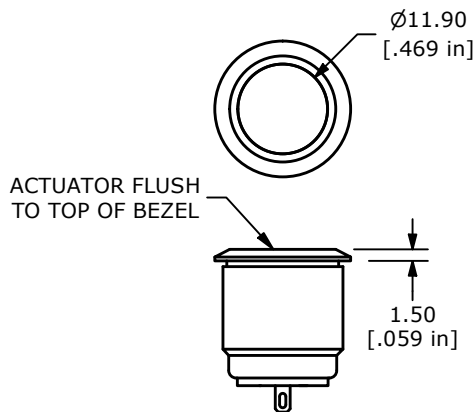
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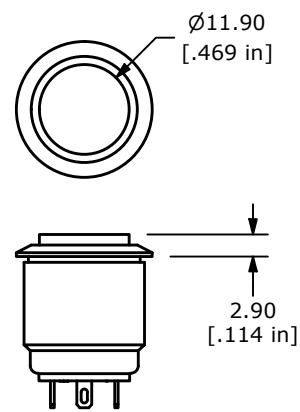
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PV6 SERIES ANTI-VANDAL SWITCH

ACTUATOR OPTIONS

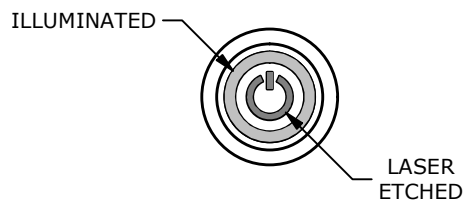


FLAT ACTUATOR

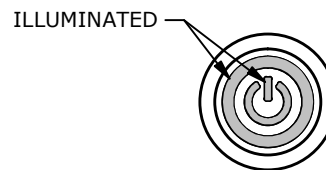


HIGH ACTUATOR

GRAPHIC OPTIONS

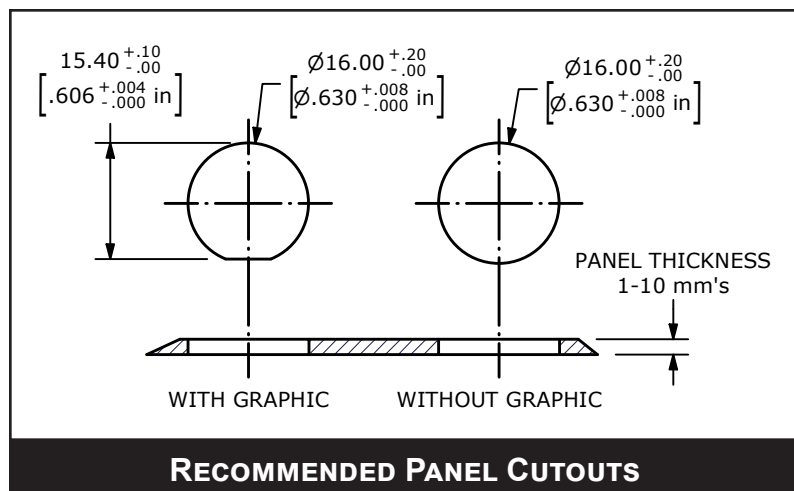
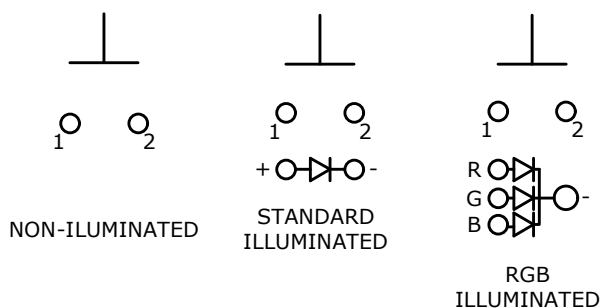


M01 - ILLUMINATED RING LASER ETCHED POWER SYMBOL



M15 - ILLUMINATED RING AND POWER SYMBOL

SCHEMATICS AND PANEL CUTOUTS



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SWITCHES

CAP
OPTIONS