

RoHS Compliant

CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

AHU

E222871 UL Approved Illuminated Pushbutton

Specifications

Electrical Ratings	3A @ 125VAC, 65˚C, 50K cycles 3A @ 250VAC, 65˚C, 50K cycles
Sealing Degree	IP65
Electrical Life	50,000 cycles typical
Mechanical Life	1,000,000 cycles typical momentary 500,000 cycles typical latching
Contact Resistance	≤ 50mΩ initial

Actuation Force	200 ±50gF SPDT 250 ±50gF DPDT
Actuation Travel	3.2 ± .25mm
Dielectric Strength	2,000Vrms min between contacts
Insulation Resistance	≥ 1,000MΩ min @ 500VDC
Operating Temperature	-20ºC to 55ºC
Storage Temperature	-20ºC to 55ºC

Materials

Actuator	Stainless Steel, Anodized Aluminum
LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel, Anodized Aluminum
Terminal Support	Polybutylene Terephthalate (PBT)
Inner Switch Body	Polybutylene Terephthalate (PBT)
Contacts	Silver plated Copper Alloy
Terminals	Silver plated Copper Alloy
Hardware	One Hex Nut & One “O” Ring Supplied

Ordering Information

1. Series	AHU	1	N	B	S	R	12
AHU							
2. Number of Poles 1 = SPDT 2 = DPDT							
3. Latching Option N = Momentary L = Latching							
4. Actuator Style: A = Flush actuator, non-illuminated B = Flush actuator, ring illuminated C = Flush actuator, dot illuminated K = Flush actuator, international standby symbol illuminated							
5. Switch Finish S = Stainless Steel B = Black Anodized Aluminum							
6. LED Color Z = No LED G = Green R = Red B = Blue Y = Yellow W = White							
7. LED Voltage Z = No LED 110 = 110V 6 = 6V 220 = 220V 12 = 12V N = No internal resistor in series with the LED 24 = 24V							

Dimensions shown in mm. Dimensions are shown for reference purposes only.

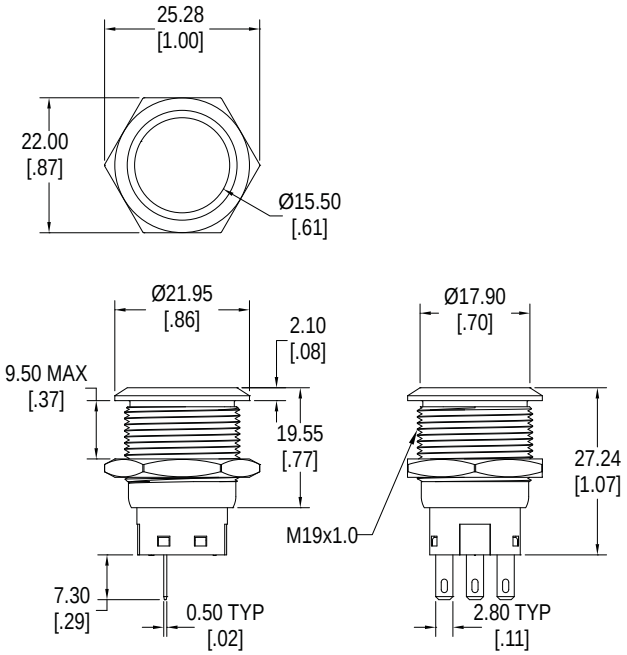
Specifications and availability subject to change without notice.

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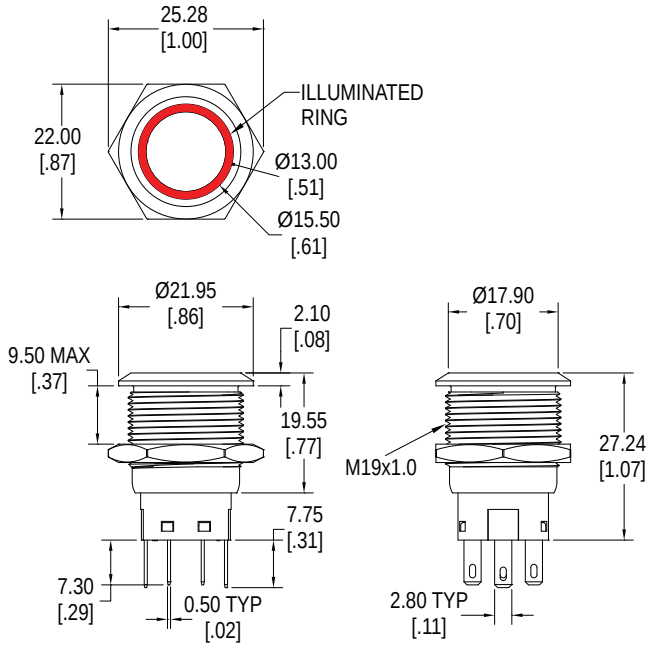
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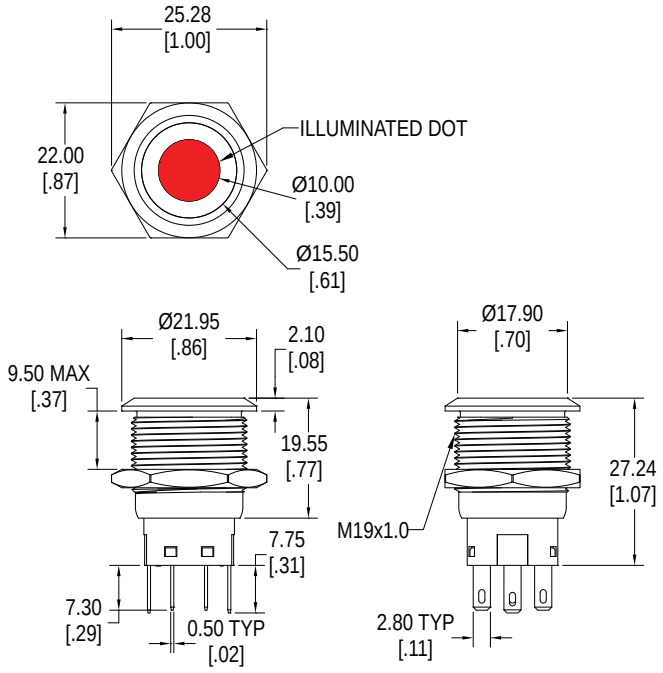
Dimensions



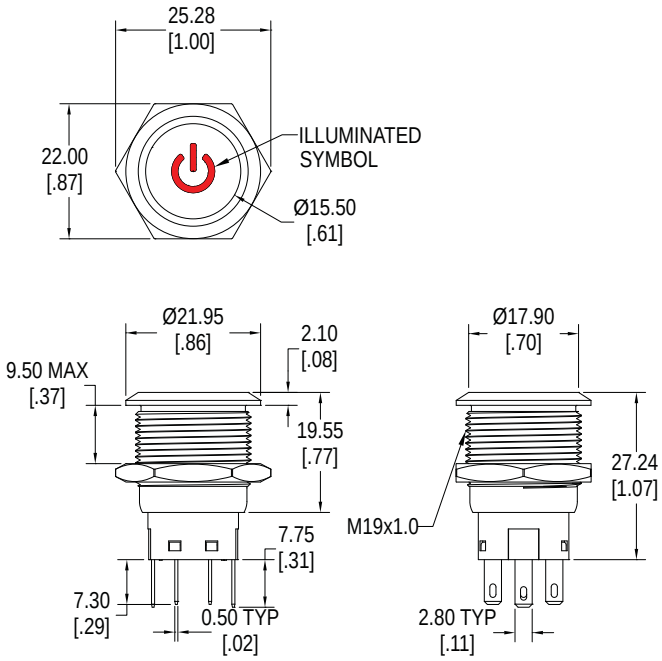
A - Flush Actuator, Non-Illuminated



B - Flush Actuator, Ring Illuminated



C - Flush Actuator, Dot Illuminated



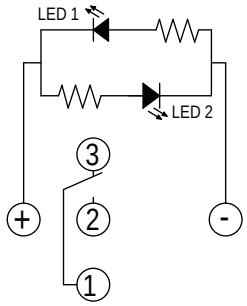
K - Flush Actuator, International Standby Symbol

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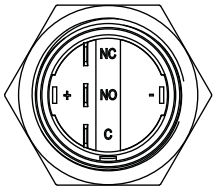
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Schematics

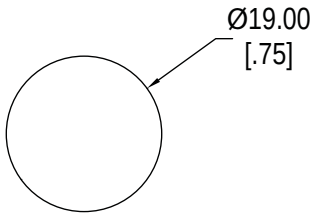
Single Pole



Schematic

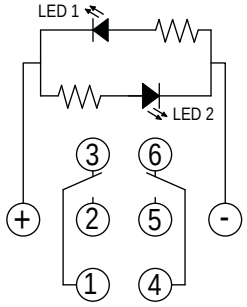


Bottom View

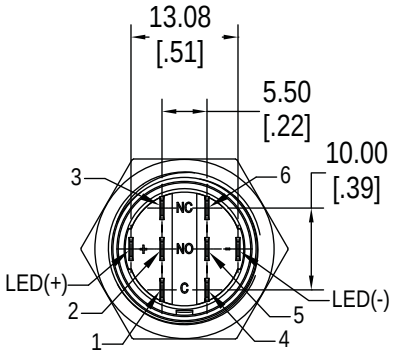


Panel Cut-Out

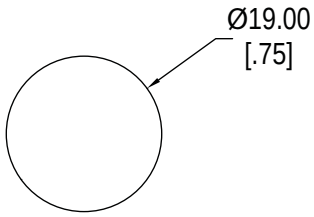
Double Pole



Schematic

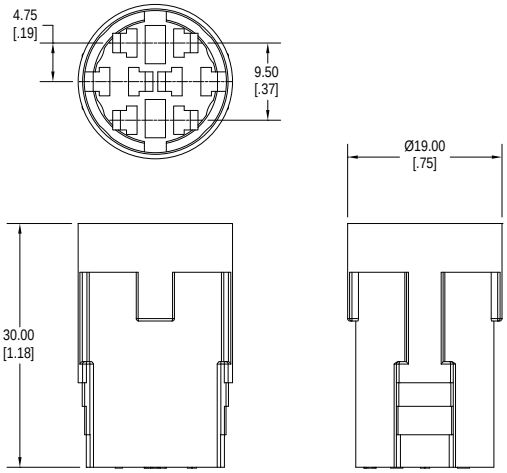


Bottom View

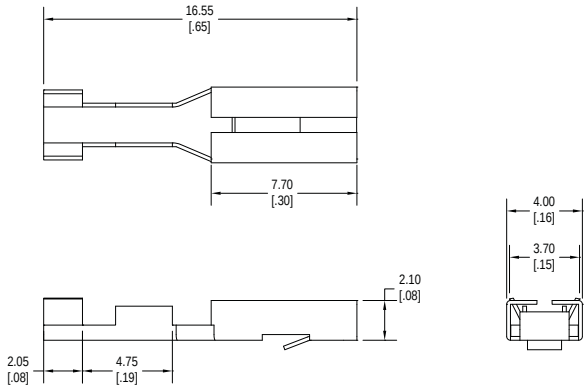


Panel Cut-Out

Optional Socket Housing



SS2002



Terminal
for use with wire sizze 18AWG to 24AWG

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LED Characteristics

LED Ratings		Color					
		R	Y	G	B	W	Units
Reverse Voltage	V_R	5	5	5	5	5	V
Forward Current (peak)	I_{FS}	120	120	160	160	160	mA
Reverse Current V_R = 5V	I_R	10	10	10	10	10	µA
Power Dissipation	P_T	80	80	120	120	120	mW
Forward Voltage (typ) I_F = 20mA	V_F	2.1	2.1	3.3	3.3	3.0	V
Luminous Intensity, I_F = 20mA	LI	120	120	170	100	700	mcd

WP

Wall Plate



Features

- Fits standard size electrical boxes
- Multiple size options
- 2 finish options
- Laser etching available

Ordering Information

1. Series	WP	B	19	A	X
WP					
2. Size: A = 40mm x 115mm B = 70mm x 115mm C = 86mm x 86mm					
3. Hole Size: 19 = 19mm diameter					
4. Material A = Brushed aluminum Y = Brushed aluminum, yellow anodized					
5. Laser Etching Symbol: Contact Factory with artwork					

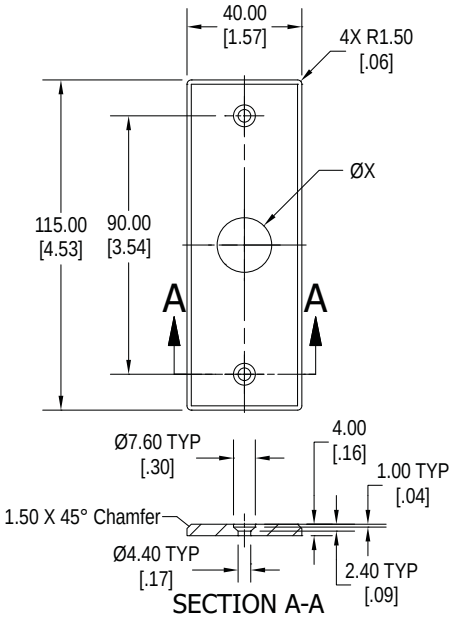
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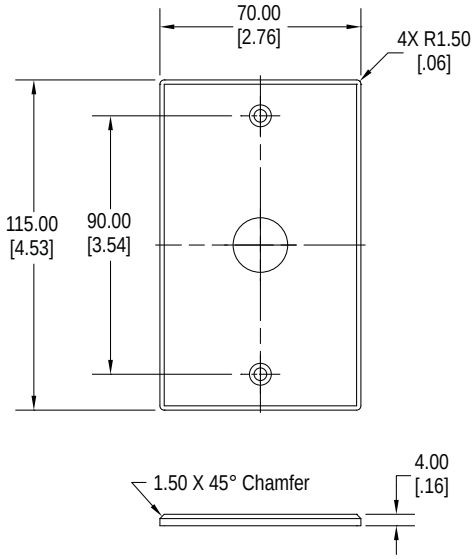
WP

Wall Plate

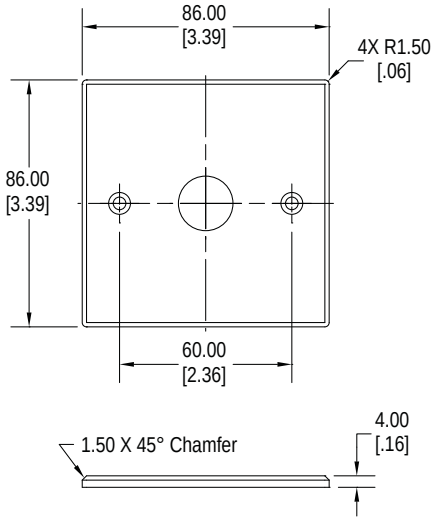
Dimensions



A



B



C

AVH

Aluminum Anti-Vandal Switch Housing

Features

- Easy installation
- Multiple size options
- Aluminum housing



Ordering Information

1. Series	AVH	F	4	19
AVH				
2. Mounting Options: F = With mounting flange T = Without mounting flange				
3. Number of Positions: 1 = 1 position 2 = 2 positions 3 = 3 positions 4 = 4 positions 5 = 5 positions Contact Factory for custom sizes and number of positions				
4. Hole Size: 19 = 19mm diameter				

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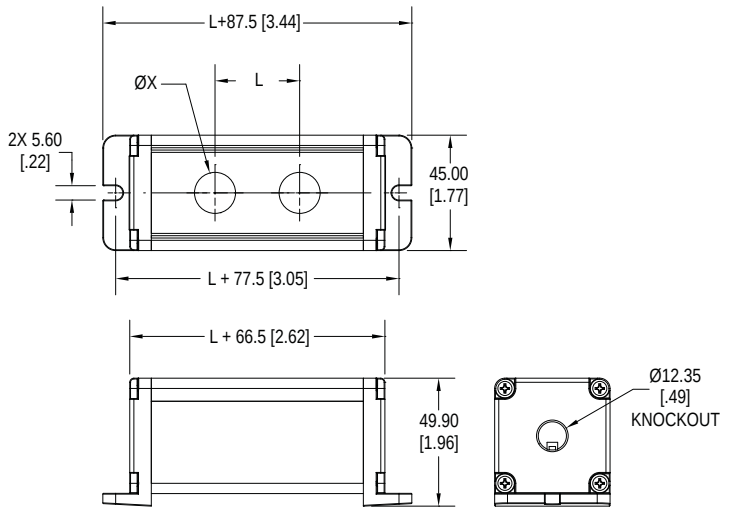
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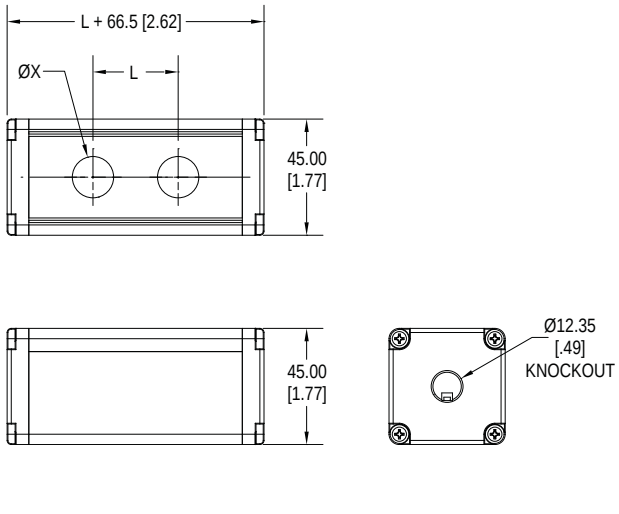
AVH

Aluminum Anti-Vandal Switch Housing

Dimensions



F



T

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