

## Specifications

|                    |   |
|--------------------|---|
| Electrical Ratings | 3A @ 125VAC, 65°C, 50K cycles<br>3A @ 250VAC, 65°C, 50K cycles        |
| Sealing Degree     | IP67  |
| Electrical Life    | 50,000 cycles typical   |
| Mechanical Life    | 1,000,000 cycles typical momentary<br>500,000 cycles typical latching |
| Contact Resistance | ≤ 50mΩ initial  |

|                       |                                  |
|-----------------------|----------------------------------|
| Actuation Force       | 200 ±50gF SPDT<br>250 ±50gF DPDT |
| Actuation Travel      | 3.2 ± .25mm                      |
| Dielectric Strength   | 2,000Vrms min between contacts   |
| Insulation Resistance | ≥ 1,000MΩ min @ 500VDC           |
| Operating Temperature | -20°C to 65°C                    |
| Storage Temperature   | -20°C to 65°C                    |

## 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

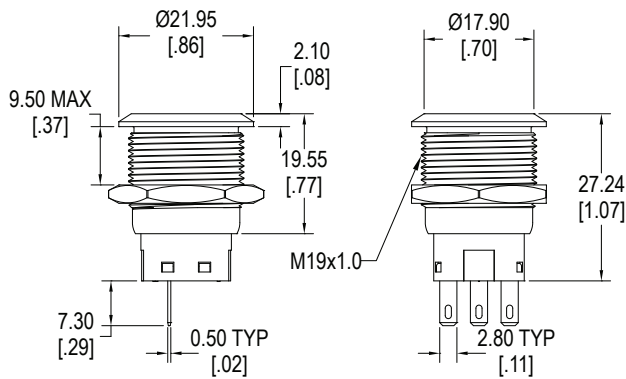
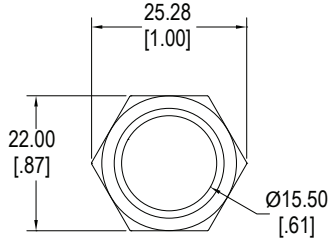
|  |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|----|
| 1. Series  | AHU   | 1 | N | B | S | R | 12 |
| AHU  |   |   |   |   |   |   |    |
| 2. Number of Poles   |   |   |   |   |   |   |    |
| 1 = SPDT   |   |   |   |   |   |   |    |
| 2 = DPDT   |   |   |   |   |   |   |    |
| 3. 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   |   |   |   |   |   |   |    |

OPTIONAL Socket Housing available

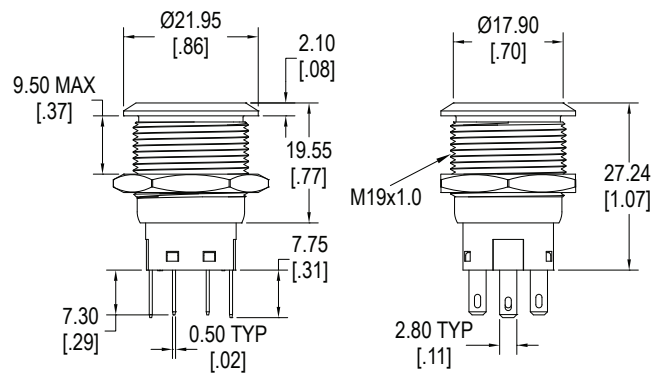
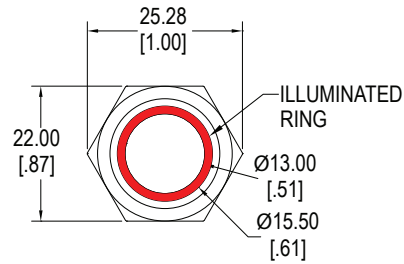
# AHU

## UL Approved Illuminated Pushbutton

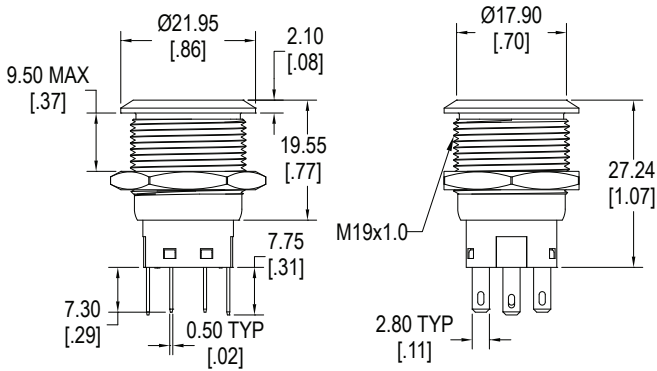
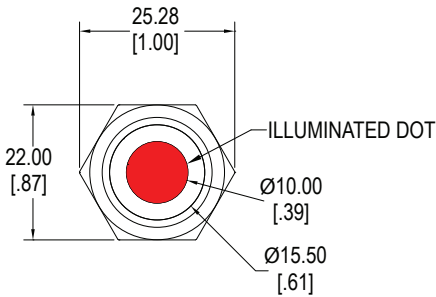
### Dimensions



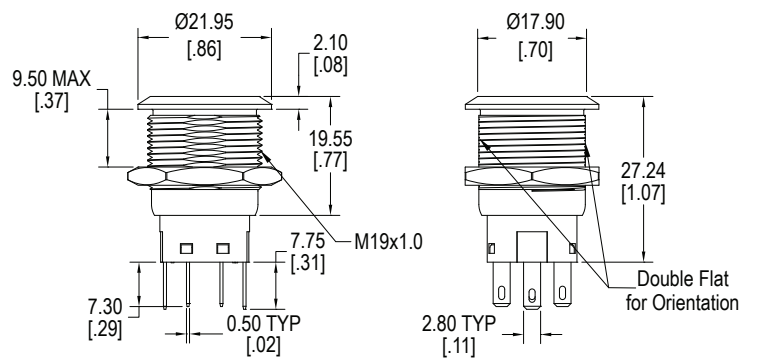
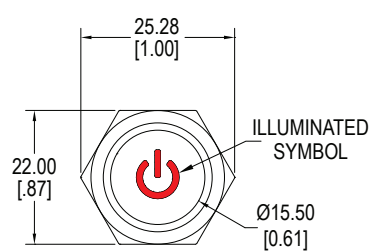
**A - Flush Actuator, Non-Illuminated**



**B - Flush Actuator, Ring Illuminated**



**C - Flush Actuator, Dot Illuminated**

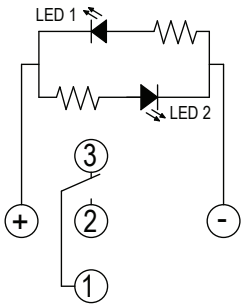


**K - Flush Actuator, International Standby Symbol**



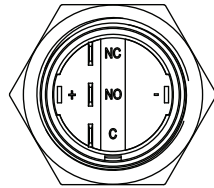
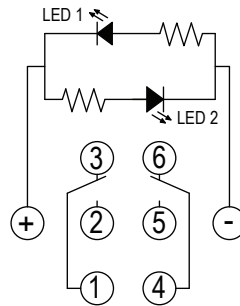
**Schematics**

**Single Pole**

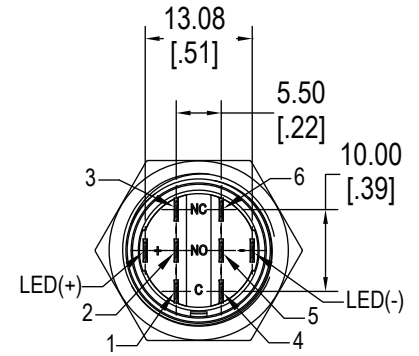


**Schematic**

**Double Pole**

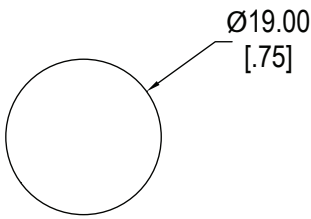


**Bottom View**

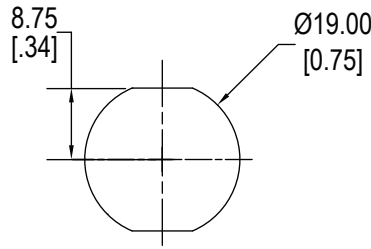


**Panel Cut-Out**

**Panel Cut-Out**

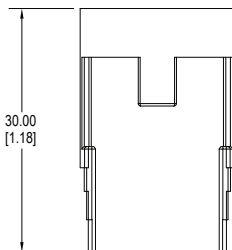
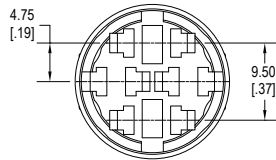


**Actuators A, B, C**

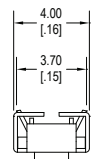
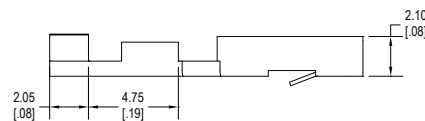
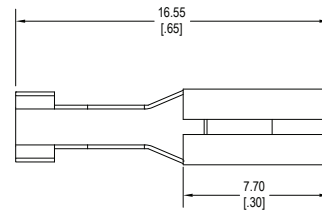
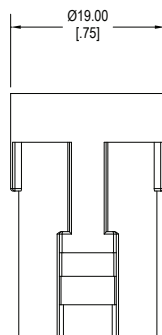


**Actuator K**

**Optional Socket Housing**



**SS2002**



**SS Terminal**  
for use with wire size 18AWG to 24AWG

# AHU

UL Approved Illuminated Pushbutton

## LED Characteristics

| LED Ratings                        |          | Color |     |     |     |     | Units   |
|------------------------------------|----------|-------|-----|-----|-----|-----|---------|
|                                    |          | R     | Y   | G   | B   | W   |         |
| 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  | $\mu A$ |
| 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     |