

YB2 Series

# Half-Mirrored Pushbuttons



NKK SWITCHES CO., LTD.

# Distinctive Characteristics

Innovative new caps with the look of classic, elegant stainless steel when nonilluminated, and LED color or legends when illuminated.

Designed for custom legend inserts vibrantly displayed with multiple choices of LED colors.

Antistatic properties and enhanced durability against environmental concerns such as ultraviolet rays.

24mm square and 25mm diameter pushbuttons with the shortest above-panel dimension (1.8mm) in the industry for splashproof design.

Meets IP65 of IEC60529 standards (similar to NEMA 4 and 13), providing dust tight and splashproof panel seal protection.

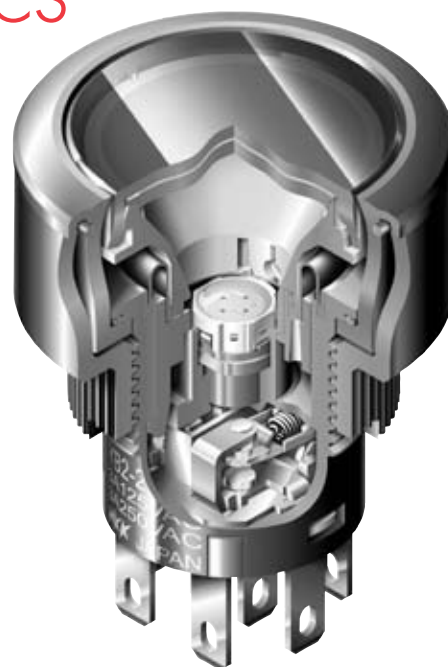
Tamper resistant 18mm square and 19mm diameter actuators.

Short body of .965" (24.5mm) conserves behind-panel space.

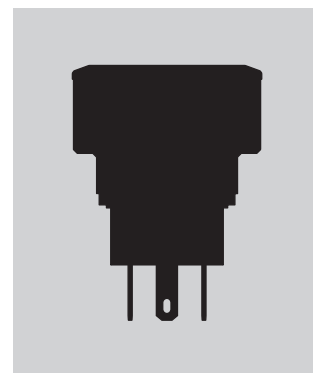
Distinctive long stroke and light touch actuation for clear indication of circuit status.

Available in momentary and alternate action with latchdown.

Crisp actuation and clear circuit status provided by snap-action contact mechanism. Arc barrier protects against crossover.



Actual Size (Round)

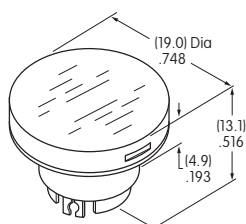


## CAPS & CAP COLORS

**AT3017 Cap for Illuminated or Nonilluminated**



Unbrushed Chrome/White



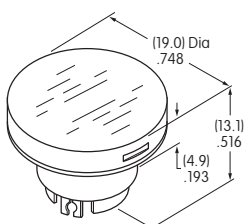
**For Bright LEDs:  
AT628, AT634 & AT636**

Material for Lens & Diffuser: Polycarbonate

**AT3018 Cap for Illuminated**



Unbrushed Chrome/White



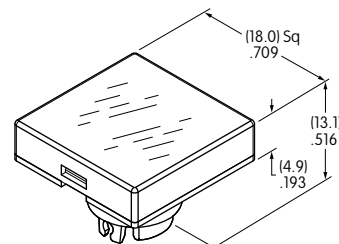
**For Super Bright LEDs:  
AT625, AT631 & AT632**

Material for Lens: ABS Resin & Unbrushed Chrome Plating

**AT3025 Cap for Illuminated or Nonilluminated**



Unbrushed Chrome/White



**For Bright & Super Bright LEDs: AT628, AT634, AT636, AT625, AT631 & AT632**

## TYPICAL SWITCH ORDERING EXAMPLE

**YB2** **1** **5** **C** **W** **C** **K** **W** **01** — **6** **B** — **HB**

**Poles**

|   |      |
|---|------|
| 1 | SPDT |
| 2 | DPDT |

**Circuits**

|                                 |    |      |
|---------------------------------|----|------|
| 5                               | ON | (ON) |
| ( ) = Momentary                 |    |      |
| 6                               | ON | ON   |
| Alternate Action with Latchdown |    |      |

**Contact Point**

|   |                                 |
|---|---------------------------------|
| C | Normally Open & Normally Closed |
|---|---------------------------------|

**Panel Seal**

|   |                 |
|---|-----------------|
| W | With Panel Seal |
|---|-----------------|

**Shape**

|   |        |
|---|--------|
| C | Round  |
| S | Square |

**Bezel**

|   |                |
|---|----------------|
| K | Black          |
| P | Brushed Chrome |

**Contact Materials & Ratings**

|   |                                                    |
|---|----------------------------------------------------|
| W | Silver<br>Rated 3A @ 125V AC                       |
| G | Gold<br>Rated 0.4VA maximum @<br>28V AC/DC maximum |

**Terminals**

|    |                                           |
|----|-------------------------------------------|
| 01 | Solder Lug/.110"<br>(2.8mm) Quick Connect |
|----|-------------------------------------------|

**LEDS**

**Bright LED**

| LED Colors |       | Resistor |                             |
|------------|-------|----------|-----------------------------|
| 5C         | Red   | No Code  | No Resistor (not for Green) |
| 5D         | Amber | 05       | 5-volt                      |
|            |       | 12       | 12-volt                     |
| 5F         | Green | 24       | 24-volt                     |

**NEW** →

**Cap Types & Colors**

**Lens/Diffuser Colors**

|    |                                                 |
|----|-------------------------------------------------|
| JB | Clear/White                                     |
| JS | Metallic Silver Cap/<br>Clear Ring (Round only) |
| CB | Red/White                                       |
| EB | Yellow/White                                    |
| FB | Green/White                                     |
| HB | Unbrushed Chrome/White                          |

LED & cap need to be the same color. Yellow cap pairs with amber LED to achieve amber illumination. Codes JB & JS (Round only) may be combined with all LED colors.

**Super Bright LED**

|    |       |
|----|-------|
| 6B | White |
| 6F | Green |
| 6G | Blue  |

**NEW** →

**Nonilluminated**

|   |         |
|---|---------|
| N | No Lamp |
|---|---------|

**Lens/Diffuser Cap Colors**

|    |                                             |
|----|---------------------------------------------|
| JB | Clear/White                                 |
| JS | Metallic Silver Cap/Clear Ring (Round only) |
| HB | Unbrushed Chrome/White                      |

**NEW** →

**Cap Color**

|    |                        |
|----|------------------------|
| JB | Clear/White            |
| CB | Red/White              |
| EB | Yellow/White           |
| FB | Green/White            |
| HB | Unbrushed Chrome/White |
| P  | Brushed Chrome         |

## DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

YB215CWCKW01-6B-HB

White, Super Bright LED — Unbrushed Chrome LED Cap with Clear Lens & White Diffuser

Black Bezel —

Round Black Housing — With Panel Seal

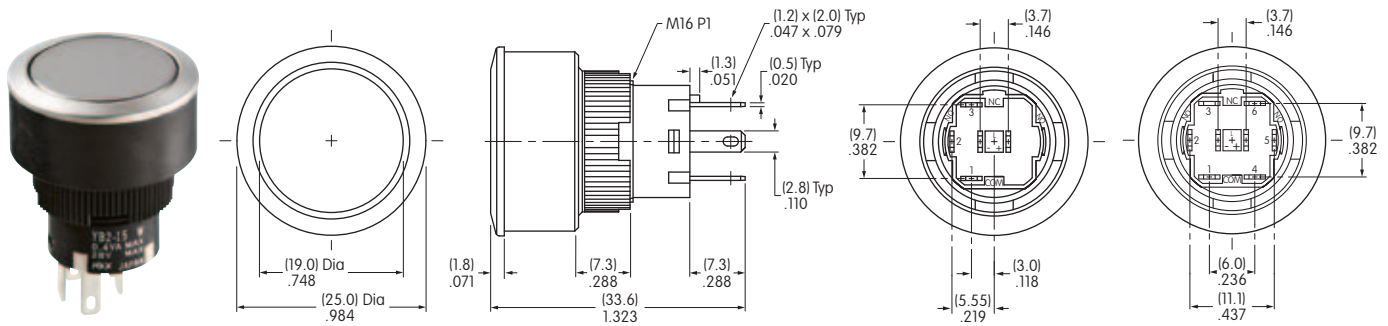
SPDT ON-(ON) Circuit —

Solder Lug/.110" (2.8mm) Quick Connect Terminals — Silver Contacts with 3 Amp Rating

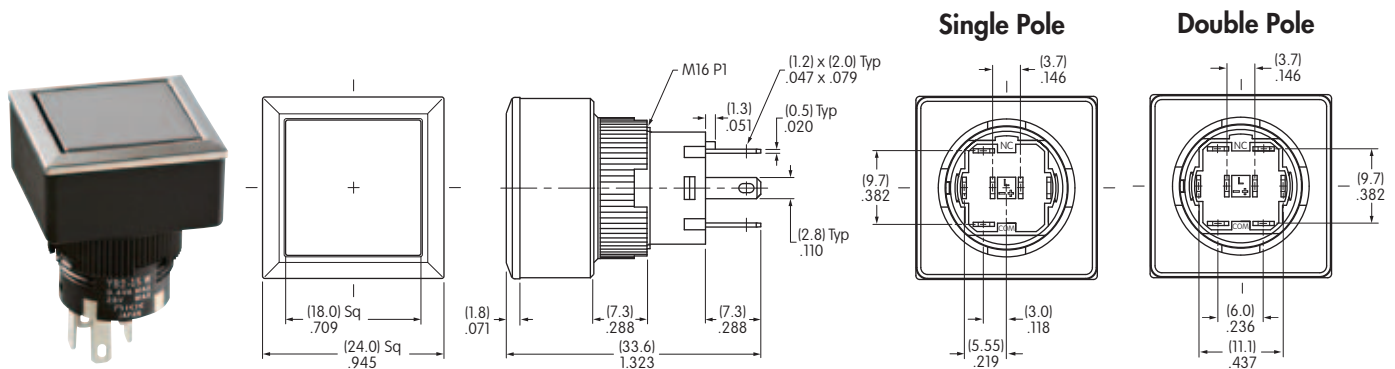


**Important:** Switches are supplied without cULus marking unless specified. cULus recognized only when ordered with marking on the switch.

### TYPICAL SWITCH DIMENSIONS



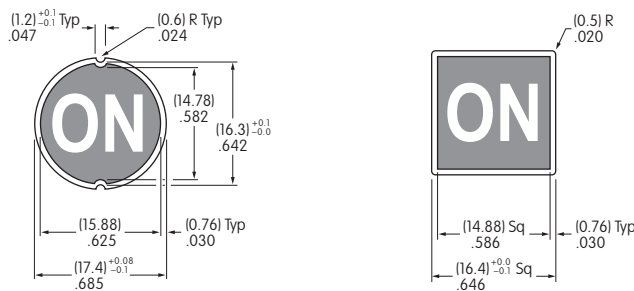
YB215CWCKW01-6B-HB



YB215CWSKW01-N-HB

### LEGENDS

#### Suggested Printable Area for Film Inserts



**Recommended Method:**  
Screen Print; Epoxy based ink is recommended

**Film Material and Thickness:**  
Clear Polyester, 4 mil max.

Shaded areas are printable areas.

Depending on the design and the color of ink used, the legend may be visible when it is not illuminated. It is recommended that the legend be clear and without ink in order to achieve the maximum visibility when the cap is illuminated.

Without  
Illumination



With  
Illumination



**Effective Date** March 27, 2014

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2014/04/28 Engineering Department

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