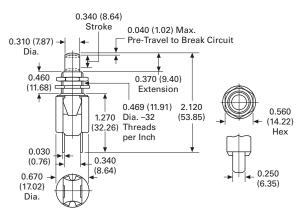
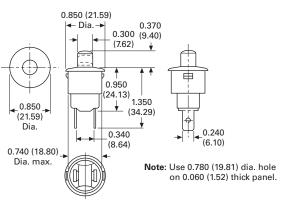
Approximate Dimensions in Inches (mm)

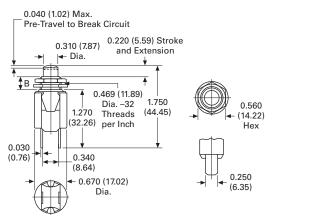
8411K10 and 8418K12

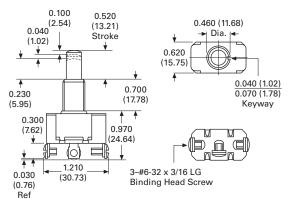


8423 and 8424



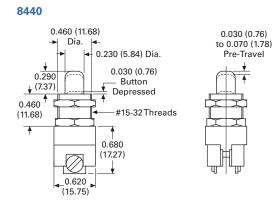
8434K2 and 8435K2



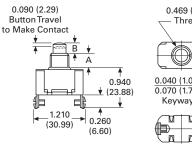


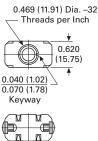
8418K1

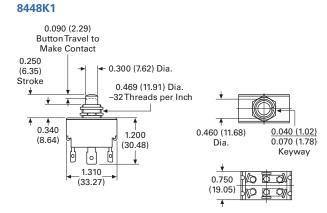
AC Rated



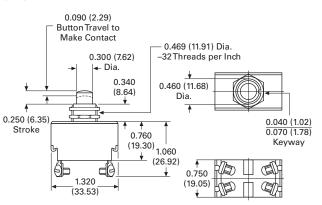
8442 and 8444 (Screw Terminals)







8448K2



6.1

6.2

Illuminated AC/DC Rated

Illuminated AC/DC Rated



Contents

Description	Page
Illuminated AC/DC Rated	
Catalog Number Selection	V11-T6-9
Lamp Selection	V11-T6-14
Accessories	V11-T6-16
Technical Data and Specifications	V11-T6-17
Terminal Identification	V11-T6-18
Circuit Diagrams	V11-T6-18
Legends	V11-T6-18
Dimensions	V11-T6-19

Product Description

Eaton offers a wide range of pushbutton switches for standard industry applications such as appliances, electronics, medical and test instrumentation, office equipment and many other commercial applications.

A variety of options are available such as illuminated and non-illuminated versions, colored lens caps, lamp styles and mounting styles. Each pushbutton series offers a matching indicator for a consistent look. See the Product Overview tables to quickly identify the required product. Then, refer to the Catalog Number Selection and Product Selection tables to determine the catalog number.

Standards and Certifications ^①

- UL Recognized
- CSA Certified
- RoHS 2

(IR)



Notes

- ^① Except where noted.
- Visit www.eaton.com/vcbu for the most up-to-date list of verified part numbers.

Product Selection Guide

General Purpose Pushbuttons and Indicators-Illuminated and Non-Illuminated

Series	206/208	Page	220/221/224	Page	231/234	Page	580/581/586	Page
Pushbutton Selection—Switch		V11-T6-9		V11-T6-9		V11-T6-9	de la	V11-T6-10
Pushbutton Selection—Indicator	1 E	V11-T6-9	IR I'S	V11-T6-9	155	V11-T6-9		V11-T6-10
Pushbutton Cap Selection		V11-T6-13		V11-T6-13		V11-T6-13		V11-T6-13
Circuit Diagram Letter (See Page V11-T6-18)		K, N		K, N		K, N		J, L, M
Series	770/775	Page	810/815	Page	820/825	Page	860/861/845	Page
Pushbutton Selection—Switch		V11-T6-11		V11-T6-12		V11-T6-12	-	V11-T6-12
Pushbutton Cap Selection		V11-T6-11		V11-T6-12	50	V11-T6-12		V11-T6-12
		V11-T6-11 V11-T6-13		V11-T6-12 V11-T6-13	-	V11-T6-12 V11-T6-13		V11-T6-12 V11-T6-13

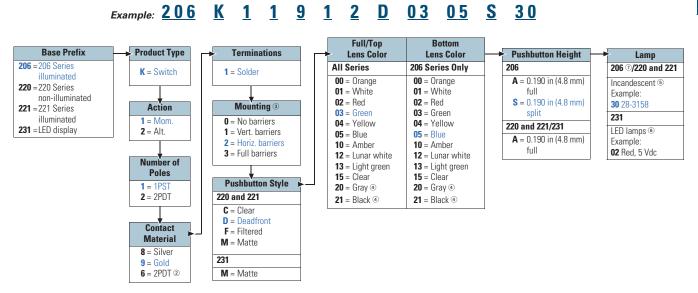
Series 206/208, 220 and 221/224, 231/234



Catalog Number Selection

How To Order—Series 206/220 $^{\odot}$ and 221 $^{\odot}$ /231 $^{\odot}$, Switch

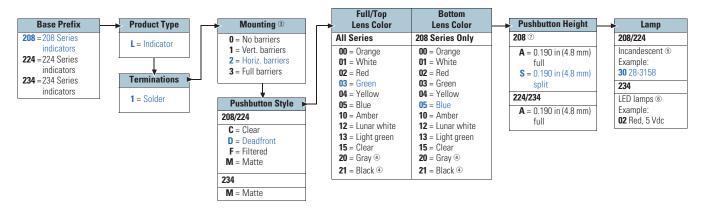
To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.



How To Order—Series 208/224 0/234 0, Indicator

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: 208 L 1 2 D 03 05 S 30



Notes

- ^① Full cap style does not require a bottom lens code.
- ² Pole one is silver, pole two is gold.
- ³ Refer to Page V11-T6-16 for barrier information.
- ⁽⁴⁾ Not available with lighted display.
- ⁽⁶⁾ Use two-digit item number, 30–37, from Incandescent Lamps table on Page V11-T6-14.
- ⁽⁶⁾ Use two-digit item number, 01–19, from LED Lamps table on Page V11-T6-15.

 $\ensuremath{\textcircled{O}}$ Accepts two bulbs

Illuminated AC/DC Rated

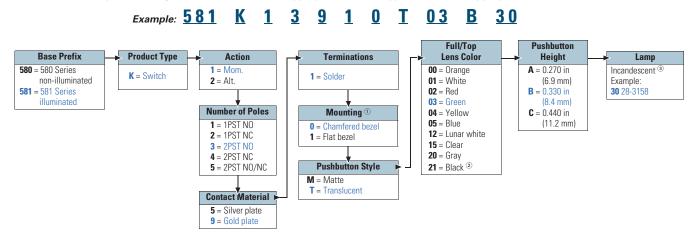


Series 580/581/586

Catalog Number Selection

How To Order—Series 580/581, Switch

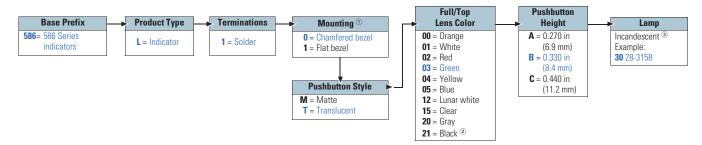
To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.



How To Order—Series 586, Indicator

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: <u>586</u> <u>L</u> <u>1</u> <u>0</u> <u>T</u> <u>03</u> <u>B</u> <u>30</u>



- ^① Flush with bezel.
- ⁽²⁾ Not available with lighted display.
- ⁽³⁾ Use two-digit item number, 30–37, from Incandescent Lamps table on Page V11-T6-14.

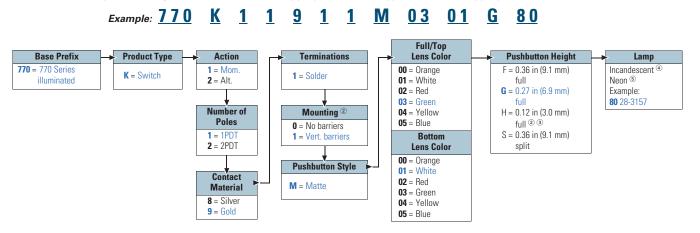


Series 770/775

Catalog Number Selection

How To Order—Series 770 ^①, Switch

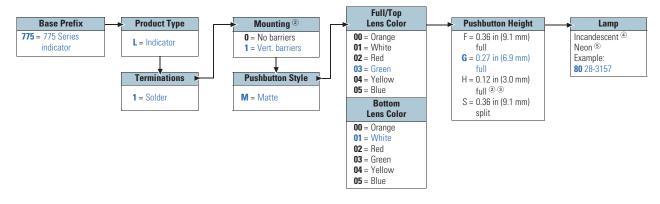
To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.



How To Order—Series 775⁽¹⁾, Indicator

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: 775 L 1 1 M 03 01 G 80



- ^① Full or split cap style available.
- ② Flush with bezel.
- ^③ Not available with lighted display.
- Ise two-digit item number, 51–59, from Incandescent Lamps table on Page V11-T6-14.
- ⁽⁶⁾ Use two-digit item number, 80 or 81, from Neon Lamps table on Page V11-T6-15.

Pushbuttons

Illuminated AC/DC Rated

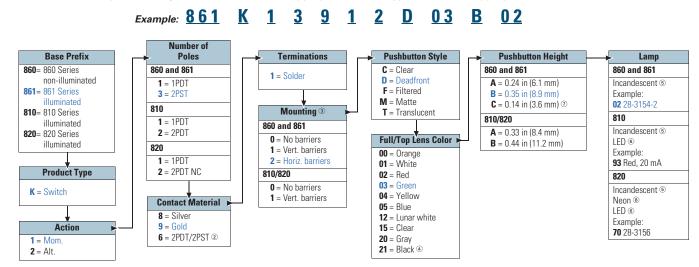
Series 860 and 861/845, 810/815, 820/825



Catalog Number Selection

How To Order—Series 860 and 861/810/820, Switch $^{\odot}$

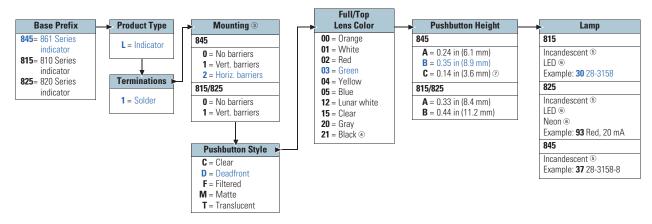
To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.



How To Order—Series 845/815/825, Indicator $^{\odot}$

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: <u>845</u> <u>L</u> <u>1</u> <u>2</u> <u>D</u> <u>03</u> <u>B</u> <u>30</u>



- ^① Full cap style does not require a bottom lens code.
- ⁽²⁾ Pole one is silver, pole two is gold.
- ^③ Flush with bezel.
- ⁽⁴⁾ Not available with lighted display.
- ⁽⁶⁾ Use two-digit item number, 02–14, from Incandescent Lamps table on Page V11-T6-14.
- ⁽⁶⁾ Use two-digit item number, 93–97, from LED Lamps table on Page V11-T6-15.
- ⁽²⁾ Not available with lighted display. Available only on "M."
- [®] Use two-digit item number, 70, from Neon Lamps table on Page V11-T6-15.

Illuminated and Non-Illuminated Pushbutton Caps



Series 206/220/231 and Series 580/770/810/820/849

6

Catalog Number Selection

How To Order—Series 206/220/231, Pushbutton Caps

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: 206 P C 03 04 S

Base Prefix	Product Type	Display Legend/Style	Full/Top Lens Color	,	Bottom Lens Color	L,	Cap Height 🕫
 206 = 2 lamp display (Series 206/208) ^① 220 = Non-illuminated Series 220 and illuminated Series 221, 224 and 234 231 = LED display on Series 231 and 234 	P = Pushbutton	 C = Clear cap and color insert, transmitted color D = Deadfront, smoky gray cap and color insert F = Filtered color, white cap and color insert ⁽²⁾ M = Matte, no insert, transmitted color 	00 = Orange 01 = White 02 = Red 03 = Green 04 = Yellow 05 = Blue 10 = Amber 12 = Lunar white 13 = Light green 15 = Clear 20 = Gray @ 21 = Black @		00 = Orange 01 = White 02 = Red 03 = Green 04 = Yellow 05 = Blue 10 = Amber 12 = Lunar white 13 = Light green 15 = Clear 20 = Gray @ 21 = Black @		A = 0.19 in (4.8 mm), full S = 0.19 in (4.8 mm), split

How To Order—Series 580/770/810/820/849, Pushbutton Caps

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

Example: <u>580</u> <u>P</u> <u>C</u> <u>03</u> <u>04</u> <u>B</u>

Base Prefix Product Type	Display Legend/Style	Full/Top Lens Color	Bottom Lens Color	► Cap Height [®]
580 = Series 580, 581, 586 (*) 770 = Series 770, 775 (*) 810 = Series 810, 815 820 = Series 820, 825 849 = Series 845, 860, 861	 C = Clear cap and color insert, transmitted color ⁽²⁾ D = Deadfront, smoky gray cap and color insert F = Filtered color, white cap and color insert ⁽²⁾ M = Matte, no insert, transmitted color T = Transmitted color, smooth surface, solid color 	00 = Orange 01 = White 02 = Red 03 = Green 04 = Yellow 05 = Blue 10 = Amber 12 = Lunar white 15 = Clear 21 = Black ④	00 = Orange 01 = White 02 = Red 03 = Green 04 = Yellow 05 = Blue 10 = Amber 12 = Lunar white 15 = Clear 21 = Black @	580 A = 0.27 in (6.9 mm) B = 0.33 in (8.4 mm) C = 0.44 in (11.2 mm) 770 F = Full, 0.36 in (9.1 mm) G = 0.27 in (6.9 mm) H = 0.12 in (3.0 mm) S = Split, 0.36 in (9.1 mm) 810/820 A = 0.33 in (8.4 mm)

S = Split, 0.36 in (9.1 mm)						
810/820						
A = 0.33 in (8.4 mm) B = 0.44 in (11.2 mm)						
849						
A = 0.24 in (6.1 mm) B = 0.35 in (8.9 mm)						

C = 0.14 in (3.6 mm)

- $^{\scriptsize (1)}$ For a high degree of illumination, a full cap may be used with two lamp devices.
- ⁽²⁾ Available only with colors red, green, yellow and blue.
- ^③ Available in matte only.
- (4) Not available for lighted display.
- $^{(6)}$ Measured from panel of top of pushbutton cap. $^{(2)}$
- Available in translucent and matte only.
- $\ensuremath{\textcircled{}^{_{(2)}}}$ For two lamps, two colored inserts with divider.

Lamp Selection

Incandescent Lamps

Bi-Pin Base for 800 Series

To Order Lamp

Item Number $^{\textcircled{1}}$	Separately	ASA Lamp Number	Designed Volts	Design Amps	Brightness (MSCP) ②	Brightness (Lumens)	Lab Average Life (Hours) ³
02	28-3154-2	7361	5	0.06	0.05	0.63	100,000
03	28-3154-3	7945	6	0.04	0.03	0.38	10,000
07	28-3154-7	7381	6.3	0.20	0.40	5.03	50,000
08	28-3154-8	7371	12	0.04	0.12	1.51	10,000
09	28-3154-9	7330	14	0.08	0.50	6.29	750
10	28-3154-10	7382	14	0.08	0.30	3.77	50,000
11	28-3154-11	7370	18	0.04	0.15	1.89	10,000
12	28-3154-12	7327	28	0.04	0.34	4.27	7,000
13	28-3154-13	7387	28	0.04	0.30	3.77	25,000
14	28-3154-14	7876	28	0.06	0.34	4.27	25,000

Midget Flange Base for 770 Series

To Order Lamp

Item Number ^①	Separately	ASA Lamp Number	Designed Volts	Design Amps	Brightness (MSCP) ^②	Brightness (Lumens)	Lab Average Life (Hours) $^{\odot}$
51	28-3155-2	345	6	0.04	0.03	0.38	10,000
54	28-3155-5	394	12	0.04	0.12	1.51	10,000
55	28-3155-6	330	14	0.08	0.50	6.29	750
56	28-3155-7	382	14	0.08	0.30	3.77	50,000
57	28-3155-8	370	18	0.04	0.15	1.89	10,000
58	28-3155-9	327	28	0.04	0.34	4.27	7,000
59	28-3155-10	387	28	0.04	0.30	3.77	25,000

Subminiature Wedge Base for 200 and 500 Series

To Order Lamp Item Number ^① Separately ASA Lamp Number **Designed Volts** Design Amps Brightness (MSCP) ⁽²⁾ Brightness (Lumens) Lab Average Life (Hours) $^{(3)}$ 30 0.115 1.89 28-3158 56 0.15 20,000 5 31 28-3158-2 79 6 0.20 0.60 7.92 1.000 32 28-3158-3 84 6.3 0.04 0.03 0.38 20,000 28-3158-4 33 86 6.3 0.20 0.40 5.03 20.000 34 28-3158-5 18 14 0.04 0.13 1.63 5,000 35 28-3158-6 73 14 0.08 0.30 3.77 15,000 36 0.04 28-3158-7 85 28 0.30 3.77 7,000 37 28-3158-8 17 28 0.06 0.65 8.17 5,000

Notes

 $^{\scriptsize (1)}$ Use this two-digit number for installation in switches and indicators.

⁽²⁾ Standard tolerance for MSCP is ±25%.

^③ Average life is for AC operation. DC life will be approximately 50% less. Operating incandescent lamps at 5–10% below rated voltage will generally increase lamp life 200–400%.

Neon Lamps ^①

T 1-3/4 Bi-Pin Base Neon Lamp for All 800 Series "Shorty" Switches and Indicators @

ltem Number ⁽³	To Order Lamp [®] Separately	CLC Lamp Number	Circuit Vo AC	olts DC	Nominal Current MA	Average Useful Life (Hours)	External Resistance Required	Ignition AC	/oltage DC	Bulb Size	Lamp Length	Lead Length
70	28-3156	7A1H	105–125	150	1.5	25,000	47K (1/4 W)	95	135	T-2	0.60	0.25

T 1-3/4 Midget Flange Base Neon Lamps for All 700 Series Switches and Indicators [®]

ltem Number ^{(a}	To Order Lamp Separately	CLC Lamp Number	Circuit Vo AC	lts DC	Nominal Current MA	Average Useful Life (Hours)	External Resistance Required	Built-In Resistance	Ignition AC	/oltage DC	Bulb Size	Maximum Overall Length
80	28-3157	A1H	105-125	150	1.5	25,000	35K (1/4 W)	None	95	135	T-2	0.67
81	28-3157-2	C-24	105-125	150	4.2	8,000	None	35K	95	135	T-2	0.67

LED Lamps ^④

LEDs are sold installed only.

LEDs for Series 231 through 235 Switches and Indicators

Color	Voltage ®	Without Diode Protection Item Number	With Diode Protection Item Number	
Red	Vdc ®	01	11	
	5 Vdc	02	12	
	15 Vdc	03	13	
Yellow	Vdc [®]	04	14	
	5 Vdc	05	15	
	15 Vdc	06	16	
Green	Vdc ⑥	07	17	
	5 Vdc	08	18	
	15 Vdc	09	19	

T 1-3/4 Wire LEDs for All 800 Series Switches and Indicators

		Forward Current	Luminous Inte	nsity (MCD)	Forward Voltage (V)	Diffused or
Item Number $^{\textcircled{3}}$	Color	(MA) [©]	Minimum	Typical	Typical	Undiffused
93	Red	20	80	160	1.7	Undiffused
95	Green	20	80	160	1.7	Undiffused
96	Yellow	20	80	160	1.7	Undiffused
97	Amber	20	80	160	1.7	Undiffused

Notes

Neon lamps are not recommended for use with colored caps or inserts, especially those colored green or blue.
 Recommended external series resistor values shown for indicated average useful life are for lamp and resistor

For use with clear or white cap only.

⑤ 5 Vdc and 15 Vdc include internal current limiting resistor. Other voltages available—contact your local Eaton Sales Representative.

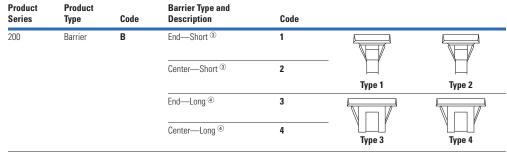
[®] External current limiting required. User must include in circuit—to give current of 20 mA to LED.

Mounting Barriers Ordering Guide

Catalog Number Example: 200B1

When switches are individually mounted, add 0.10 in (2.54 mm) per switch to the appropriate bezel dimension. When switches are gang mounted, add 0.05 in (1.27 mm) to the appropriate bezel dimension for each switch mounted plus an additional 0.05 in (1.27 mm) to compensate for gang mounting.

Series 200 and 300 Mounting Barriers 02



Legending

All legend markings are pad printed in accordance with the limitations below. Standard markings are of condensed gothic type, 1/8 in high characters, with white letters on blue, red and green translucent pushbuttons and black letters on white, yellow, orange and all filtered pushbuttons.



Legending	
Pushbutton Size	Standard Pad Print Limitations
1/2 in square pushbuttons	2 lines, 4 characters per line
5/8 in square pushbuttons—full legend	3 lines, 6 characters per line
5/8 in square pushbuttons—split legend	2 lines, 6 characters per line
3/4 in square pushbuttons	3 lines, 7 characters per line
3/4 in x 1 in rectangular pushbutton—full legend	3 lines, 9 characters per line
3/4 in x 1 in rectangular pushbutton—split legend	2 lines, 9 characters per line

Accessories

These snap-on pushbutton caps are made of molded plastic for use with grooved style switches. They are ordered separately for user assembly.

	C	
-		
	-	9

Snap-On Pushbutton Caps—Standard

Description	Button Diameter in Inches (mm)	Catalog Number
Black molded	0.625 (15.88)	53-3338
Red molded	0.625 (15.88)	53-3338-2

Notes

^① The full guard barrier is molded as an integral part of the switch body and is specified as a part of the complete switch catalog number.

⁽²⁾ An end barrier is attached to each side of housing. The center barrier is used between devices when gang mounting in a slot array.

^③ For use with square devices and short side of rectangular devices.

[®] For use with long side of rectangular devices. Use a center—long between switches if gang mounting.

6

Technical Data and Specifications

General Purpose Pushbuttons and Indicators – Illuminated and Non-Illuminated

Series	206/208	220/221/224	231/234	580/581/586
Ratings— Silver Contacts Gold Contacts	5A at 125 Vac or 250 Vac 0.1A at 125 Vac/Vdc	5A at 125 Vac or 250 Vdc 0.1A at 125 Vac/Vdc	5A at 125 Vac or 250 Vdc 0.1A at 125 Vac/Vdc	Silver or Gold: 1A at 125 Vac Gold-plated contacts for low level
Action	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down
Switch Circuitry	Break before make 1PDT or 2PDT 2-independent lamp circuits	Break before make 1PDT or 2PDT	Break before make 1PDT or 2PDT	Double break 1PST or 2PST
Termination Types	0.02 x 0.11 in (0.51 x 2.79 mm)	0.02 x 0.11 in (0.51 x 2.79 mm) ^①	0.02 x 0.110 in (0.51 x 2.79 mm) ⁽¹⁾	0.01 x 0.11 in (0.31 x 2.79 mm) ^①
Pushbuttons	0.62 x 1.00 in (15.87 x 25.40 mm) Rectangular Full or horizontal split lens Plain, engraved or hot stamped [@]	0.63 in (15.87 mm) Square Plain, engraved or hot stamped ®	0.63 in (15.87 mm) Square Plain, engraved or hot stamped ®	0.50 in (12.70 mm) Square 3 heights above panel E [®] Plain, engraved or hot stamped [®]
Mounting	Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.03 to 0.19 in (0.76 to 4.76 mm) Barrier mount available ®	Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.03 to 0.19 in (0.76 to 4.76 mm) Barrier mount available ®	Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.03 to 0.19 in (0.76 to 4.76 mm) Barrier mount available [®]	Snap-in panel mounting Choice of two bezel styles: Chamfered or Flat Stainless steel retaining clips Panel thickness: 0.06 to 0.19 in (1.59 to 4.76 mm)
Lamps	Two T 1-3/4 wedge base lamps Incandescent Front relampable Lamp stationary to reduce mechanical shock to filament	Two T 1-3/4 wedge base lamps Incandescent Front relampable Lamp stationary to reduce mechanical shock to filament	One rectangular LED flush with cap Various voltages available Diode protection available	Two T 1-3/4 wedge base lamps Incandescent Front relampable Lamp stationary to reduce mechanical shock to filament
Pushbutton Travel	0.19 in (2.29 mm)	0.19 in (2.29 mm)	0.19 in (2.29 mm)	0.17 in (4.32)
Series	770/775	810/815	820/825	860/861/845
Ratings— Silver Contacts Gold Contacts	10.5A at 125 Vac or 250 Vac 0.25A at 125 Vac or 30 Vdc	3A at 125 Vac or 250 Vac 0.25A at 125 Vac or 30 Vdc	3A at 125 Vac or 250 Vac 0.25A at 125 Vac or 30 Vdc	6A at 125 Vac or 3A at 250 Vac 0.25A at 125 Vac or 30 Vdc
Action	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down	Momentary Alternate with positive latch down
Switch Circuitry	1PDT or 2PDT (2 circuit) 2-independent lamp circuits	Break before make 1PDT or 2PDT	Break before make 1PDT or 2PDT	Double break 1PST or 2PST, NO
			0.00 0.441 /0.04 0.70 1.0	0.02 x 0.11 in (0.64 x 2.79 mm) ^①
Termination Types	0.02 x 0.125 in (0.25 x 3.18 mm) ^① Epoxy sealed	0.02 x 0.11 in (0.64 x 2.79 mm) ^① Epoxy sealed	0.02 x 0.11 in (0.64 x 2.79 mm) ^① Epoxy sealed	U.UZ X U.TT IN (U.64 X Z.79 MM) 🖤
				0.02 x 0.11 in (0.64 x 2.79 mm) 0.62 in (15.87 mm) Square Horizontal split legend (indicator only) 3 heights above bezel ® 5 styles Plain, engraved or hot stamped ®
Pushbuttons	Epoxy sealed 0.73 x 0.97 in (18.54 x 24.64 mm) Rectangular	Epoxy sealed 0.75 x 1 in (19.05 x 25.40 mm) Rectangular 2 heights above panel ⁽³⁾ 5 styles	Epoxy sealed 0.75 in (19.05 mm) Square 2 heights above panel [®] 5 styles	0.62 in (15.87 mm) Square Horizontal split legend (indicator only) 3 heights above bezel [®] 5 styles
Termination Types Pushbuttons Mounting Lamps	Epoxy sealed 0.73 x 0.97 in (18.54 x 24.64 mm) Rectangular Plain, engraved or hot stamped ⁽²⁾ Panel mounting retained by molded sleeve and nut May be individually mounted or gang mounted in horizontal or vertical rows Panel thickness from 0.03 to 0.25 in (0.76 to 6.35 mm) Barrier mount available ⁽³⁾	Epoxy sealed 0.75 x 1 in (19.05 x 25.40 mm) Rectangular 2 heights above panel [®] 5 styles Plain, engraved or hot stamped [®] Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.06 to 0.19 in (1.59 to 4.76 mm)	Epoxy sealed 0.75 in (19.05 mm) Square 2 heights above panel ^③ 5 styles Plain, engraved or hot stamped ^③ Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.06 to 0.19 in (1.59 to 4.76 mm)	0.62 in (15.87 mm) Square Horizontal split legend (indicator only) 3 heights above bezel ® 5 styles Plain, engraved or hot stamped ® Snap-in panel mounting Stainless steel retaining clips Panel thickness: 0.06 to 0.19 in (1.59 to 4.76 mm)

Notes

 $^{\odot}$ Terminations are suitable for solder or female 110 connectors. Series 770: Solder only.

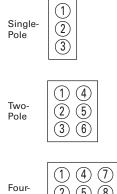
⁽²⁾ See Engraving and Hot Stamping table on **Page V11-T6-16** for more information.

③ See Product Selection tables on Pages V11-T6-9-V11-T6-12 for more information.

^(®) See Series 200 and 300 Mounting Barriers table on Page V11-T6-16 for more information.

Pushbuttons

Illuminated AC/DC Rated



Four-Pole 1 4 7 10 2 5 8 11 3 6 9 12

Circuit Diagrams

Pushbutton Circuit Diagrams

Terminal Identification

When specified on order, switches will have the terminals identified as shown in the illustration at right. Terminal markings will be ink-stamped on the side of the switch case and unused terminal positions will not be identified.

All views are rear of switch with keyway or at down as applicable. Terminal numbers 2, 2 and 5 and 5 and 8 are considered inboard terminals for single-, two- and four-pole switches respectively. All others are considered outboard.

Legends

Pushbutton Legend

Legend	Rocker	Switch	Туре
--------	--------	--------	------

٠	Contact terminal—will make contact with switch lever
0	Isolated terminal—does not make contact with lever
`•	Center terminal and switch lever
¤	Bulb
*₊	Momentary contact
•	Denotes mechanical contact portion

Notes

- ^① Poles 11 and 12 may be eliminated for three-pole devices.
- ⁽²⁾ Poles 10, 11 and 12 may be eliminated for three-pole devices.

③ Dependent lamp.

- ④ Independent lamp.
- ⑤ Two circuit—indicates a special type of double-throw switch in which the two circuits being controlled may be independent of each other.
- ⁶ For 206 Series, an additional lamp is available.

Available in 1PDT or 2PDT.

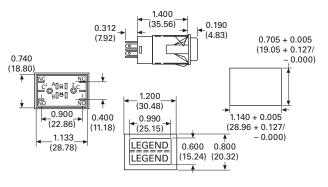
Circuit Letter	Schematic	Circuit Letter	Schematic
A 1PST	\int_{3}^{2}	l 2 circuit ^(§)	1 4 • 3 6
B 1PDT	•3	J 1PST	
C 2PST		K 1PDT	
D 2PDT	$\begin{array}{c} \bullet 1 \\ \bullet 2 \\ \bullet 3 \\ \bullet 3 \\ \bullet 6 \end{array} \begin{array}{c} \bullet 4 \\ \bullet 5 \\ \bullet 3 \\ \bullet 6 \end{array}$	L 2PST	
E 4PST ^①	•2 •5 •8 •11 •3 •6 •9 •12	M 2PST	
F 4PDT [©]	•1 •4 •7 •10 •2 •5 •8 •11 •3 •6 •9 •12	N ® 2PDT	
G ③ 1PST	2 04 3 6	P 1PDT	
H ^(a) 1PDT	$\begin{array}{c} & & & & 4 \\ & & & & 2 \\ & & & & & 6 \end{array}$	Q ⑦ 2 circuit	

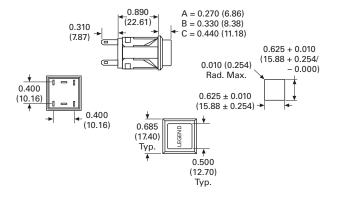
V11-T6-18 Volume 11–Vehicle and Commercial Controls CA08100013E—November 2012 www.eaton.com

Dimensions

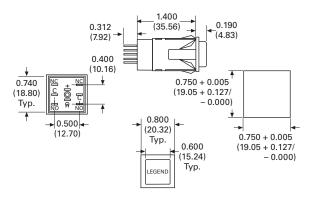
Approximate Dimensions in Inches (mm)

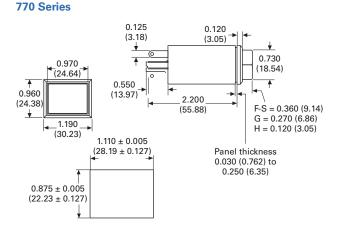
206 Series



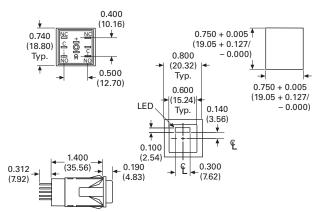


220 Series





231 Series

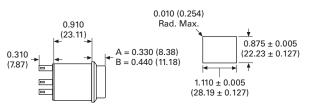


810 Series

580 Series





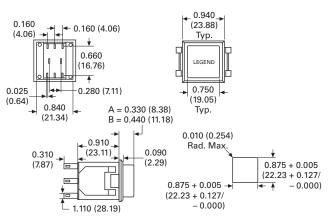


Pushbuttons

Illuminated AC/DC Rated

Approximate Dimensions in Inches (mm)

820 Series



860 Series

