

# 30.5 mm Push Buttons

## Custom-Built Stations/Enclosures

### Custom-Built Stations (800H only)



**Cat. No.**

The cat. no. used to identify custom-built Bulletin 800H push button stations will be cat. no. listed for enclosure only. The letter **W** is substituted for the letter **Z** and a station serial no. will be added.

**Ordering Information**

The following information is required when ordering custom-built push button stations:

1. Cat. no. of enclosure.
2. Cat. no. of control units.
3. Legend plate cat. no. and/or marking for each unit.
4. Specify vertical/horizontal mounting.
5. Specify operator mounting sequence that you want. Including a sketch is recommended. If information not given, standard configuration will be used.

### Enclosures (800H only)



*Stainless Steel*  
**Cat. No. 800H-2HZ4**



*Rosite Glass Polyester*  
**Cat. No. 800H-2HZ4R**



*Fiberglass*  
**Cat. No. 800H-2HZ4Y**



*Thermoplastic Polyester*  
**Cat. No. 800H-2HZ4C**

No. of Operator Openings	Conduit Hubs		Stainless Steel (#304) Type 4/4X/13*	Rosite Glass Polyester Type 4/4X/13	No. of Operator Openings	Conduit Openings		Fiberglass* Type 4/4X/13	Thermoplastic Polyester* Type 4/4X
	No.	Dia. [in.]	Cat. No.	Cat. No.		No.	Dia. [in.]‡	Cat. No.	Cat. No.
0§	1	3/4	800H-0HZ4	—	1	1	3/4	800H-1HZ4Y	800H-1HZ4C
1	1	3/4	800H-1HZ4	800H-1HZ4R	2	1	1	800H-2HZ4Y	800H-2HZ4C
1	2	3/4	—	800H-1HZ4RM1	3	1	1	800H-3HZ4Y	800H-3HZ4C
1	1	1	—	800H-1HZ4RM2	4	—	—	—	800H-4HZ4C
2	1	3/4	800H-2HZ4	800H-2HZ4R	—	—	—	—	—
2	2	3/4	800H-2HZ4M1	800H-2HZ4RM1	—	—	—	—	—
2	1	1	800H-2HZ4M2	800H-2HZ4RM2	—	—	—	—	—
3	1	3/4	800H-3HZ4	800H-3HZ4R	—	—	—	—	—
3	2	3/4	800H-3HZ4M1	800H-3HZ4RM1	—	—	—	—	—
4	1	3/4	800H-4HZ4	800H-4HZ4R	—	—	—	—	—
4	2	3/4	800H-4HZ4M1	800H-4HZ4RM1	—	—	—	—	—
5	1	1	800H-5HZ4	—	—	—	—	—	—
6	1	1	800H-6HZ4	800H-6HZ4R	—	—	—	—	—
7	1	1	800H-7HZ4	—	—	—	—	—	—
8	1	1	800H-8HZ4	—	—	—	—	—	—

**Note:** Other combinations of conduit hub sizes are available upon request. Enclosure and conduit dimensions are detailed on page 10-61.

\* Grounding screw provided with stainless steel enclosure.

⊗ Extra deep. Accommodates two levels of stackable sealed switch contact blocks.

‡ Conduit hubs must be ordered separately. For 3/4 in. hub, order **Cat. No. 1490-N9**. For 1 in. hub, order **Cat. No. 1490-N10**.

§ Identical to **Cat. No. 800H-1HZ4** but without mounting holes.

♣ No conduit openings provided.

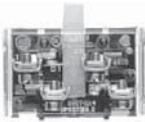
➤ Yellow thermoplastic enclosures may be ordered by adding a **Y** to the cat. no. Example: **Cat. No. 800H-1HZ4C** becomes **Cat. No. 800H-1HZ4CY**.



**Contact Blocks**

Packaged in kit form for field installation. All necessary mounting hardware is provided with each contact block kit. **Contact ratings are listed on page 10-4.**

**Note:** It is not recommended to mount more than four contact blocks on any one non-illuminated operator (maximum two blocks deep). Contact blocks cannot be stacked onto power modules, so illuminated operators are limited to two contact blocks. Sealed switch contact blocks are not stackable and are limited to two blocks per operator. Time delay contacts are only available as one circuit per operator.



**Shallow Block**



**PenTUFF™ (Low Voltage) Contact Block**



**Logic Reed Block**



**Sealed Switch Block**



**Stackable Sealed Switch Block**

Contact Type	Shallow Block**		PenTUFF (Low Voltage) Block**		Logic Reed Block‡		Sealed Switch Block‡		Stackable Sealed Switch Block‡	
	Cat. No.	Code	Cat. No.	Code	Cat. No.	Code	Cat. No.	Code	Cat. No.	Code
1 N.O.	800T-XD1	D	800T-XD1V	H	800T-XD1R	V	800T-XD1P	R	800T-XD1Y	5
1 N.C.	800T-XD2	E	800T-XD2V	U	800T-XD2R	W	800T-XD2P	S	800T-XD2Y	6
1 N.O.E.M.	800T-XD3	G	800T-XD3V	I	—	—	—	—	—	—
1 N.C.L.B.	800T-XD4	J	800T-XD4V	Q	—	—	—	—	—	—
1 N.O. - N.C.	800T-XA	A	800T-XAV	F	800T-XAR	T	800T-XAP	P	800T-XAY	7
2 N.O.	800T-XA2§	M	—	—	800T-XA2R§	Y	—	—	800T-XA2Y	8
2 N.C.	800T-XA4	N	—	—	800T-XA4R	Z	—	—	800T-XA4Y	9
1 N.C.L.B. - 1 N.O.	800T-XA1	B	—	—	—	—	—	—	—	—
1 N.C.L.B. - 1 N.C.	800T-XA7	C	—	—	—	—	—	—	—	—

**Note:** Modular suffix codes can be used when specifying selector switches with multiple contact blocks.



**Self Monitoring Contact Block**



**Mini Block**



**Time Delay Block**



**MaxDuty Block**

Contact Type	S.M.C.B.*>	
	Cat. No.	Code
1 N.C.L.B. (wired in series with 1 N.O. monitoring contact)	800TC-XD4S	3

Contact Type	Mini Block*		Time Delay Block*	MaxDuty Block	
	Cat. No.	Code	Cat. No.	Cat. No.	Code
1 N.O.	800T-XD5	K	800T-XT	800T-XD1M	1
1 N.C.	800T-XD6	L	800T-XS	800T-XD2M	2
1 N.C.L.B.	—	—	—	800T-XD4M	4

**Note:** Modular suffix codes can be used when specifying selector switches with multiple contact blocks.

\* Contact blocks with normally closed contacts meet direct drive positive opening standard requirements when properly fused to IEC 269-1 and 269-2. Shallow/mini contacts: 10 A gl or N type cartridge fuse. PenTUFF contacts: 6 A gl or N type cartridge fuse.

\*\* Specify Bulletin 800TC for finger-safe contact blocks. Example: **Cat. No. 800T-XA** becomes **Cat. No. 800TC-XA**.

‡ 800T operator using sealed switch and logic reed contact blocks and installed in a suitable enclosure are UL Listed as suitable for use in Class I, Division 2/Zone 2 hazardous locations.

§ Additional contacts cannot be stacked on XA2 and XA2R contact blocks.

♣ For contact ratings, see page 10-4.

> For use with 2-position push-pull or push-pull/twist operators only. Must be mounted on the first level of the operator. The N.O. monitoring contact automatically closes when the S.M.C.B. is properly installed onto the operator. If the S.M.C.B. is separated from the operator, the N.O. monitoring contact automatically opens.



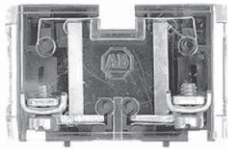
**Shallow Contact Block Hardware**

Description	Cat. No.
Contact Block Mounting Screw	800T-N335
Screw Retainer	800T-N336
Actuator Extender	800T-N337

Bulletin 800T/H  
**30.5 mm Push Buttons**  
 Accessories

**Power Modules**

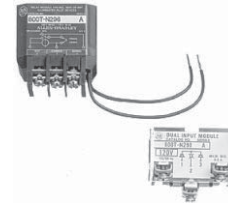
Packaged in kit form for field installation. Lamps are listed on page 10-45.



Full Voltage Power Module  
 Cat. No. 800T-N330



Transformer Power Module  
 Cat. No. 800T-N326



Dual Input Power Modules  
 Cat. No. 800T-N296 (Transformer)  
 Cat. No. 800T-N290N (Diode)

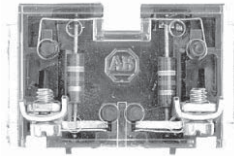
Full Voltage§		Transformer§		Dual Input		
Lamp Voltage	Cat. No.	Voltage	Cat. No.	Type	Voltage	Cat. No.
6...130V AC/DC	800T-N330	48V AC 50/60 Hz	800T-N325	Transformer*	120V AC	800T-N296
		120V AC 50/60 Hz	800T-N326	Diode Type*	24V AC/DC	800T-N291N
		240V AC 50/60 Hz	800T-N327		120V AC/DC	800T-N290N
		277V AC 50/60 Hz	800T-N327Y		—	—
		480V AC 50/60 Hz	800T-N328	—	—	
240V AC/DC‡	800T-N331	600V AC 50/60 Hz	800T-N329	—	—	—

\* Transformer type dual input provides circuit isolation via a miniature type relay. This module is used in conjunction with a 120V transformer.

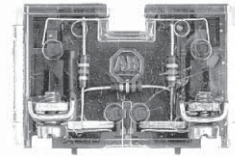
\* Diode type dual input provides circuit isolation via opposing diodes. Not recommended for use with solid-state outputs and neon indicators.

‡ 240V full voltage module contains 50% dropping resistors for use with a 120V incandescent lamp.

§ Specify Bulletin 800TC for finger-safe power modules. Example: **Cat. No. 800T-N330** becomes **Cat. No. 800TC-N330**.



Resistor Power Module  
 Cat. No. 800T-N332



Neon Power Module  
 Cat. No. 800T-N333

Resistor (10% Drop)➤		Neon♣➤	
Voltage	Cat. No.	Voltage	Cat. No.
120V AC/DC	800T-N332	120V AC/DC	800T-N333
		240V AC/DC	800T-N334

♣ Neon modules contain resistors.

➤ Specify Bulletin 800TC for finger-safe power modules. Example: **Cat. No. 800T-N332** becomes **Cat. No. 800TC-N332**.

**Universal LED Module**



Voltage	Cat. No.
12...130V AC/DC	800TC-N374

**Trigger Action E-Stop Latches**



Cat. No. 800T-N380



Cat. No. 800T-N379

Description	Cat. No.
Illuminated type	800T-N380
Non-illuminated type	800T-N379

**Replacement Color Caps**

Color caps listed below are for field replacement on installed devices or for completion of devices ordered with color caps omitted.



*Push-Pull*



*Push-Pull/Twist*



*Push-Pull Jumbo*



*Push-Pull/Twist Jumbo*

**Push-Pull Color Caps, Illuminated**

Color	800T Push-Pull	800H Push-Pull	800T/H Push-Pull/Twist	800T/H Push-Pull Jumbo	800T/H Push-Pull/Twist Jumbo
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	<b>800T-N159A</b>	800H-N112A	800T-N301A	800T-N209A	800T-N306A
Blue	<b>800T-N159B</b>	800H-N112B	800T-N301B	800T-N209B	800T-N306B
Clear	<b>800T-N159C</b>	800H-N112C	800T-N301C	800T-N209C	800T-N306C
Green	<b>800T-N159G</b>	<b>800H-N112G</b>	800T-N301G	800T-N209G	800T-N306G
Red	<b>800T-N159R</b>	<b>800H-N112R</b>	<b>800T-N301R</b>	<b>800T-N209R</b>	800T-N306R
White	<b>800T-N159W</b>	800H-N112W	800T-N301W	800T-N209W	800T-N306W



*Illuminated Mushroom*



*Illuminated Jumbo Mushroom*



*Standard*



*Push-to-Test*



*Glass Caps for Pilot Lights*

Color	800T/H Push Button Color Caps, Illuminated		800T/H Pilot Light Color Caps			Glass Caps for 800T Pilot Lights
	Mushroom	Jumbo Mushroom	Standard*	Push-to-Test*	18 mm	
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	
Amber	<b>800T-N304A</b>	800T-N305A	<b>800T-N26A</b>	<b>800T-N42</b>	<b>800T-N122A</b>	800T-N22
Blue	800T-N304B	800T-N305B	<b>800T-N26B</b>	<b>800T-N43</b>	<b>800T-N122B</b>	800T-N23
Clear	800T-N304C	800T-N305C	<b>800T-N26C</b>	<b>800T-N45</b>	800T-N122C	800T-N25
Green	<b>800T-N304G</b>	800T-N305G	<b>800T-N26G</b>	<b>800T-N41</b>	<b>800T-N122G</b>	800T-N21
Red	<b>800T-N304R</b>	<b>800T-N305R</b>	<b>800T-N26R</b>	<b>800T-N40</b>	<b>800T-N122R</b>	800T-N20
White	800T-N304W	800T-N305W	<b>800T-N26W</b>	<b>800T-N44</b>	<b>800T-N122W</b>	800T-N24

\* Available in bulk quantities of 20. Add suffix (-BP) to the cat. no. and order in multiples of 20.



*Plastic Mushroom*



*Plastic Jumbo Mushroom*



*Padlocking Metal Mushroom*



*Metal Jumbo Mushroom*

**Push Button Color Caps, Non-Illuminated**

Button Color	800T Plastic Mushroom	800H Plastic Mushroom	800T Plastic Jumbo Mushroom	800H Plastic Jumbo Mushroom	800T Padlocking Metal Mushroom	800T Metal Jumbo Mushroom	
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.		Cat. No.
Red	<b>800T-N246R</b>	<b>800H-N114A</b>	<b>800T-N247R</b>	800H-N115A	<b>800T-N311R</b>	*	<b>800T-N248R</b>
Green	<b>800T-N246G</b>	800H-N114B	<b>800T-N247G</b>	800H-N115B	800T-N311G	*	800T-N248G
Black	<b>800T-N246B</b>	800H-N114H	<b>800T-N247B</b>	800H-N115H	800T-N311B	*	800T-N248B
Orange	800T-N246O	800H-N114F	800T-N247O	800H-N115F	800T-N311O	⊛	800T-N248O
Grey	800T-N246GR	800H-N114G	800T-N247GR	800H-N115G	800T-N311GR		800T-N248GR
Blue	800T-N246BL	800H-N114C	800T-N247BL	800H-N115C	800T-N311BL	*	800T-N248BL
Yellow	<b>800T-N246Y</b>	800H-N114E	800T-N247Y	800H-N115E	800T-N311Y	*	800T-N248Y
Natural	—	—	—	—	—	‡	800T-N248
White	800T-N246W	800H-N114L	—	800H-N115L	—		—

For padlocking jumbo mushroom style:

\* change listed cat. no. from **248** to **313**. Example: **Cat. No. 800T-N248G** becomes **Cat. No. 800T-N313G**.

⊛ change listed cat. no. from **Cat. No. 800T-N248O** to **Cat. No. 800T-N313**.

‡ change listed cat. no. from **Cat. No. 800T-N248** to **Cat. No. 800T-N313GR**.

Bulletin 800T/H  
**30.5 mm Push Buttons**  
 Accessories

**Replacement Color Caps, Continued**

Color caps listed below are for field replacement on installed devices or for completion of devices ordered with color caps omitted.



Push-Pull



Push-Pull/Twist



Push-Pull Jumbo



Push-Pull/Twist Jumbo

Button Color	800T/H Push-Pull Color Caps, Non-Illuminated			
	Push-Pull	Push-Pull/Twist	Push-Pull Jumbo	Push-Pull/Twist Jumbo
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Red	<b>800T-N160A</b>	<b>800T-N302A</b>	<b>800T-N208A</b>	<b>800T-N307A</b>
Green	<b>800T-N160B</b>	800T-N302B	800T-N208B	800T-N307B
Blue	800T-N160C	800T-N302C	800T-N208C	800T-N307C
Yellow	<b>800T-N160E</b>	<b>800T-N302E</b>	800T-N208E	800T-N307E
Orange	800T-N160F	800T-N302F	800T-N208F	800T-N307F
Grey	800T-N160G	800T-N302G	800T-N208G	800T-N307G
Black	<b>800T-N160H</b>	800T-N302H	800T-N208H	800T-N307H
White	800T-N160L	800T-N302L	800T-N208L	800T-N307L

**Selector Switch Knobs, Illuminated**



Standard Knob



Knob Lever

Color	800T Knob Type		800H Knob Type	
	Standard Knob	Knob Lever	Standard Knob	Knob Lever
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Amber	<b>800T-N297A</b>	<b>800T-N298A</b>	800H-N154A	800H-N155A
Blue	800T-N297B	800T-N298B	800H-N154B	800H-N155B
Clear	<b>800T-N297C</b>	800T-N298C	800H-N154C	800H-N155C
Green	<b>800T-N297G</b>	<b>800T-N298G</b>	800H-N154G	800H-N155G
Red	<b>800T-N297R</b>	<b>800T-N298R</b>	800H-N154R	800H-N155R
White	<b>800T-N297W</b>	800T-N298W	800H-N154W	800H-N155W

**Selector Switches**

		Description	Item	Color	Cat. No.
	<p><b>800T Knobs and Actuators for Selector Switches</b>                      Selector switch knobs can be changed in the field. Standard knob and knob levers can be ordered with white inserts or with a packet of colored inserts which includes one insert of each color.</p>	<p><b>800T Knob</b></p>	Standard Knob	White	<b>800T-N230F</b>
			Knob Lever	Kit	<b>800T-N230</b>
				Kit	<b>800T-N231</b>
			Wing Lever	Grey	<b>800T-N238</b>
				Red	800T-N238A
			Coin Slot	Black Only	<b>800T-N239</b>
		<b>800H Knob</b>	Standard Knob	White	<b>800H-N145F</b>
		Description	Color	Cat. No.	
		<p><b>800T/H Color Insert Kits</b>                      Available on Selector switches with removable color inserts. Standard knob and knob levers use the same insert. If color <b>All</b> is selected, a packet of color inserts will be furnished which includes one of each color. Color Insert kits can also be ordered with operators at no additional charge.</p>	Red	<b>800T-N124</b>	
			Green	<b>800T-N125</b>	
			Blue	<b>800T-N126</b>	
			Yellow	<b>800T-N127</b>	
			White	<b>800T-N128</b>	
			Orange	<b>800T-N286</b>	
			All	<b>800T-N123</b>	



**Booted Selector Switch Knobs, Non-Illuminated (800H only)**



**Cat. No. 800H-NR5**

Insert Material	Material			
	Chlorosulfonated Polyethylene ‡	Silicone • ‡	Urethane •• ‡	Ethylene • Propylene •• ‡
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Brass *	* <b>800H-NR5</b>	* 800H-NR101	* 800H-NR100	* 800H-NR103
Stainless Steel	800HS-NR5	800HS-NR101	800HS-NR100	800HS-NR103

\* Color insert packet (Cat. No. 800T-N123) is included in each kit.  
 ‡ Dots printed on the inside of the boot identify the boot material.

**Protective Boots**

**Protective Boot for Illuminated Push Buttons**



**Cat. No. 800H-N11**



**Cat. No. 800H-N12**

Description	Type	Cat. No.
May be added to guarded units, units without guard or Push-to-Test devices. This protective boot guards against the entrance of foreign materials reaching the opening between the button and locking ring.	Boot without Guard	<b>800H-N11</b>
	Boot with Guard	<b>800H-N12</b>

**Protective Boots for Non-Illuminated Push Buttons\***

Boots supplied with control stations and components are made of a chlorosulfonated polyethylene material with stainless steel insert ring. To order boots with silicone, urethane, or ethylene propylene material, see the table below. Material application information shown below.



**Cat. No. 800H-N5A**

Insert Material	Boot Color	Material			
		Chlorosulfonated Polyethylene ‡	Silicone • ‡	Urethane •• ‡	Ethylene • Propylene •• ‡
		Cat. No.	Cat. No.	Cat. No.	Cat. No.
Stainless steel §	Red	<b>800H-N5A</b>	<b>800H-N101R</b>	<b>800H-N100R</b>	800H-N103R
	Green	<b>800H-N5B</b>	<b>800H-N101G</b>	<b>800H-N100G</b>	800H-N103G
	Black	<b>800H-N5H</b>	<b>800H-N101B</b>	<b>800H-N100B</b>	800H-N103B
	Yellow	<b>800H-N5E</b>	<b>800H-N101Y</b>	800H-N100Y	—
	Blue	<b>800H-N5C</b>	800H-N101BL	800H-N100BL	—

\* May be added to flush or extended head push button units to protect against foreign materials reaching the opening between the button and the locking ring.  
 § Series B boots incorporate a stainless steel insert as standard.  
 ‡ Dots printed on the inside of the boot identify the boot material.

**Protective Boot Application Information**

– **Chlorosulfonated Polyethylene (synthetic rubber)**

Very resistant to attack by oxidizing chemicals such as concentrated sulfuric acid and hypochlorite solutions. Also resistant to attack by oils and performs well in a wide range of other chemicals and solvents. Good flex and high impact resistance. This is the standard boot material supplied with 800H NEMA Type 4/4X push buttons unless otherwise specified.

– **Silicone**

Superior high temperature resistance. Particularly suited for use where organic acids or vegetable oils may be present. Also superior resistance to the effects of outdoor use, such as oxygen, ozone, and weather.

– **Urethane**

Excellent resistance to mechanical failure. Most durable boot material. Particularly suited for use where lubricating oils and automotive fuels may be present. Also well-suited for outdoor use.



– **Ethylene-propylene**

Particularly suited for high temperature applications. Resistant to attack by many acids and alkalis, detergents, phosphate esters, ketones, alcohols, and glycols. Outstanding service in areas with hot water and steam wash downs.





Potentiometer Replacement Knobs

Description	Cat. No.
Type 4/13 (800T)	40274-073-55
Type 4/4X/13 (800H)	40274-073-54

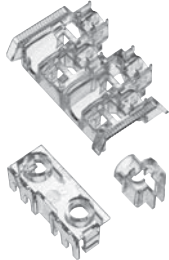




Push Buttons

	Description	Cat. No.
 Cat. No. 800T-N179 (Operators not included)	<b>Bul. 800T/H Mechanical Interlock</b> Used on momentary contact push button units. Guards against closing the N.O. contacts of one button while the other button's N.O. contacts are closed. Buttons remain momentary. For maintained units, see page 10-25.	800T-N179
 Cat. No. 800T-N12	<b>Bul. 800T Rocker Arm Operating Lever</b> The rocker arm lever operates two flush head or one flush with one extended head momentary contact push button units spaced 1-27/32 in. (46.8 mm) center-to-center. Legend plates must be ordered separately and should be inverted 180° prior to engraving and installation.	800T-N12

Miscellaneous






	Description	Cat. No.
 Cat. No. 800T-N245	<b>Bul. 800T/H Mounting Ring Wrench</b> This wrench will simplify tightening or loosening the octagonal mounting ring used on Bul. 800T units. This wrench is double-ended and can be used for 18 mm and 30 mm pilot light mounting rings.	800T-N245
 Cat. No. 800T-N209RE1	<b>Bul. 800T/H Jumbo Push-Pull Cap</b> For use on Bul. 800T or 800H push-pull operators. Fits on illuminated and non-illuminated devices.	800T-N209RE1
	<b>Bul. 800T 63 mm Red Anodized Aluminum Cap</b> For use on Bul. 800T non-illuminated push-pull devices.	800T-N210R
	<b>Bul. 800T 63 mm Red Anodized Aluminum Cap with "E-Stop"</b> For use on Bul. 800T non-illuminated push-pull devices.	800T-N210RE
	<b>Bul. 800T 90 mm Gold Anodized Aluminum Cap</b> For use on Bul. 800T non-illuminated push-pull devices.	800T-N211GL
 Cat. No. 800T-N300	<b>Bul. 800T Bonding Bracket</b> The bonding bracket establishes an electrical circuit between the mounting surface and metal operator bushing for grounding purposes; recommended for installations which require CSA approval. Necessary mounting hardware is included. Order Cat. No. 800T-N300 for back-of-panel bracket. Order Cat. No. 800T-N300F for front-of-panel bracket.	800T-N300
		800T-N300F
 Cat. No. 800E-ALR1	<b>Bul. 800T/H Lens/Bulb Removal Tool</b> The small end of this tool provides quick and easy removal of any incandescent or LED lamp.	800F-ALR1

Miscellaneous, Continued







		Description	Cat. No.	
 <b>Cat. No. 800T-N324</b>  <b>Cat. No. 800T-N323</b>  <b>IEC Finger-Safe Accessories</b>	<b>Cat. No. 800T-N323</b>	<b>Bul. 800T/H IEC Finger-Safe Terminal Guards</b> Snap-on accessories which provide IEC, IP2X and VGB finger-safe protection. Single terminal guards for single circuit contact blocks, full voltage modules, LED modules, etc. (800T-XD1, -XD2, -XD3, -XD4, -XD5, -XD6, -XAP, -XD1P, -XD2P, -PC..., and -QC...)* <b>Note:</b> Must be ordered in multiples of 100 pieces.	<b>800T-N322</b>	
	<b>Cat. No. 800T-N322</b>	Transformer covers for transformer only. <b>Note:</b> Must be ordered in multiples of 25 pieces.	<b>800T-N324</b>	
		Multi-terminal side cover for use on single or double circuit contact blocks. (800T-XA, -XA1, -XA2, -XA4, -XA7, -XAR, -XA2R, -XA4R, -XD1R, and -XD2R) <b>Note:</b> Must be ordered in multiples of 25 pieces.	<b>800T-N323</b>	
 <b>Cat. No. 800T-N292</b>		<b>Grey Bul. 800T Trim Washer</b> Used to mount the operator properly when a legend plate is not being used. <b>Note:</b> Must be ordered in multiples of 10 pieces.	<b>800T-N292</b>	
		<b>Plastic Bul. 800H Trim Washer</b> Used to mount the operator properly when a legend plate is not being used. <b>Note:</b> Must be ordered in multiples of 10 pieces.	<b>800H-N148</b>	
 <b>Cat. No. 800T-N293</b>		<b>Metal Bul. 800T Thrust Washer</b> Used to prevent rotation of operators in a keyed or notched hole. <b>Note:</b> Must be ordered in multiples of 10 pieces.	<b>800T-N293</b>	
		<b>Plastic Bul. 800H Thrust Washer</b> Used to prevent rotation of operators in a keyed or notched hole. <b>Note:</b> Must be ordered in multiples of 10 pieces.	<b>800H-N146</b>	
 <b>Cat. No. 800T-N188</b>		<b>Bul. 800T Etching Fluid</b> Used to blacken freshly engraved aluminum legend plates.	<b>800T-N188</b>	
		Description	Color	Cat. No.
 <b>Cat. No. 800T-N1</b>		<b>Bul. 800T/H Closing Button</b> Where an enclosure or flush plate with more than the required number of openings is used, this neat-appearing button can be supplied to close the unused openings.	Grey	<b>800T-N1</b>
			Black	<b>800T-N1B</b>

\* Power modules excluding transformers and dual inputs

**Locking Attachments**








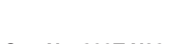

	Description	Cat. No.
 <p><b>Cat. No. 800T-N2</b> (Padlock not included)</p>	<p><b>Bul. 800T</b>  <b>Extended Head Push Button Padlocking Attachments</b>            Permits locking in the depressed position. Locks the normally closed contact in the open position. For extended head non-illuminated momentary push buttons.</p>	<p>800T-N2</p>
 <p><b>Cat. No. 800T-N10</b> (Padlock not included)</p>	<p><b>Bul. 800T</b>  <b>Flush Head Push Button Padlocking Attachments</b>            Permits locking in the depressed position. Locks the normally closed contact in the open position. For flush head push button.</p>	<p>800T-N10</p>
 <p><b>Cat. No. 800T-N315</b> (Padlock not included)</p>	<p><b>Bul. 800T</b>  <b>Momentary Mushroom Padlocking Attachments</b>            For Bul. 800T non-illuminated momentary mushroom push button. Requires use of Cat. No. 800T-N311 mushroom cap. This device is used to lock the mushroom button in a depressed position.</p>	<p>800T-N315</p>
 <p><b>Cat. No. 800T-N314</b> (Padlock not included)</p>	<p><b>Bul. 800T/H</b>  <b>Push-Pull Padlocking Attachment</b>            For 2-position push-pull and push-pull/twist release illuminated and non-illuminated operators. Use on standard head only (40 mm dia.). Locks the normally closed contacts open only. Conversion of normally closed late break contacts to standard normally closed contacts are recommended when using this accessory. Made of stainless steel.</p>	<p>800T-N314</p>
 <p><b>Cat. No. 800T-N163</b> (Padlock not included)</p>	<p><b>Bul. 800T/H</b>  <b>Padlocking Cover</b>            Guards against unauthorized operation for non-illuminated, standard knob selector switches and potentiometers. Stainless steel and clear plastic construction.</p>	<p>800T-N163</p>
	<p><b>Bul. 800T/H</b>  <b>Trigger Action Padlocking Attachment</b>            For 2-position trigger action E-stops with 45 mm heads.</p>	<p>800T-N378</p>

Locking Attachments, Continued

	Description		Cat. No.																										
 Cat. No. 800H-N140 (Padlock not included)	<b>Bul. 800T/H                      Padlocking Cover</b> Guards against unauthorized operation. For non-illuminated push buttons, 2-position push-pull or twist-release units, and standard knob selector switches. When applying Cat. No. 800H-N140 on 2-position maintained push-pull units, cover will lock only when the button is in depressed position. Padlocking cover includes blank legend plate for customer marking. <b>Note:</b> A pre-marked legend plate is available. The words OPEN COVER TO OPERATE are on the front and PULL-TO-START-PUSH-TO-STOP are on the rear. To order legend plate only, specify Cat. No. 800H-W174L.		800H-N140																										
 Cat. No. 800T-NX446 (Padlock not included)	<b>Bul. 800T                      2- and 3-Position Non-illuminated Selector Switch Padlocking Attachment — Standard Knob</b> Padlocking guard for 2- and 3-position selector switches with standard knob operators only. Locks selector switch in any maintained position.*		800T-NX446																										
 Cat. No. 800H-N141R (Padlock not included)	<table border="1"> <thead> <tr> <th data-bbox="532 701 1065 730">Description</th> <th data-bbox="1065 701 1333 730">Position</th> <th data-bbox="1333 701 1481 730">Cat. No.</th> </tr> </thead> <tbody> <tr> <td data-bbox="532 730 1065 789" rowspan="4"> <b>Bul. 800H                              2- and 3-Position Selector Switch with Padlocking Guards</b>                              Padlocking guard for 2- and 3-position selector switches with standard knob operators only.                         </td> <td data-bbox="1065 730 1333 760">Left</td> <td data-bbox="1333 730 1481 760">800H-N141L</td> </tr> <tr> <td data-bbox="1065 760 1333 789">Center</td> <td data-bbox="1333 760 1481 789">800H-N141C</td> </tr> <tr> <td data-bbox="1065 789 1333 903">Right</td> <td data-bbox="1333 789 1481 903">800H-N141R</td> </tr> <tr> <td data-bbox="1065 903 1333 947">All</td> <td data-bbox="1333 903 1481 947">800H-N141A</td> </tr> </tbody> </table>	Description	Position	Cat. No.	<b>Bul. 800H                              2- and 3-Position Selector Switch with Padlocking Guards</b> Padlocking guard for 2- and 3-position selector switches with standard knob operators only.	Left	800H-N141L	Center	800H-N141C	Right	800H-N141R	All	800H-N141A																
Description	Position	Cat. No.																											
<b>Bul. 800H                              2- and 3-Position Selector Switch with Padlocking Guards</b> Padlocking guard for 2- and 3-position selector switches with standard knob operators only.	Left	800H-N141L																											
	Center	800H-N141C																											
	Right	800H-N141R																											
	All	800H-N141A																											
 Cat. No. 800T-NX446A (Padlock not included)	<b>Bul. 800T                      4-Position Selector Switch Attachment — Standard Knob</b> Kit includes selector switch and guard (padlock not included). Padlocking guard for 4-position selector switches with standard knob operators only. Locks selector switch in any maintained position.*		800T-NX446A																										
 Cat. No. 800H-N316J (Padlock not included)	<table border="1"> <thead> <tr> <th data-bbox="532 1171 1065 1201">Description</th> <th data-bbox="1065 1171 1333 1201">Position</th> <th data-bbox="1333 1171 1481 1201">Cat. No.</th> </tr> </thead> <tbody> <tr> <td data-bbox="532 1201 1065 1570" rowspan="12"> <b>Bul. 800T/H                              Non-Illuminated Selector Switch Padlocking Attachment</b>                              2-, 3-, and 4-position selector switch padlocking attachments. Can be used to lock operators in a desired position. For 3-position selector switches, this device can also be used to lock out a left or right position as shown in the photo to the left.                         </td> <td colspan="2" data-bbox="1065 1201 1333 1230">For 2- and 3-Position Selector Switches</td> </tr> <tr> <td data-bbox="1065 1230 1333 1260">Left</td> <td data-bbox="1333 1230 1481 1260">800T-N316L</td> </tr> <tr> <td data-bbox="1065 1260 1333 1289">Center</td> <td data-bbox="1333 1260 1481 1289">800T-N316C</td> </tr> <tr> <td data-bbox="1065 1289 1333 1318">Right</td> <td data-bbox="1333 1289 1481 1318">800T-N316R</td> </tr> <tr> <td data-bbox="1065 1318 1333 1348">Window Center through Right - Prevent Left Operation</td> <td data-bbox="1333 1318 1481 1348">800T-N316J</td> </tr> <tr> <td data-bbox="1065 1348 1333 1377">Window Center through Left - Prevent Right Operation</td> <td data-bbox="1333 1348 1481 1377">800T-N316K</td> </tr> <tr> <td colspan="2" data-bbox="1065 1377 1333 1407">For 4-Position Selector Switches</td> </tr> <tr> <td data-bbox="1065 1407 1333 1436">Left (Pos. 1)</td> <td data-bbox="1333 1407 1481 1436">800T-N317L</td> </tr> <tr> <td data-bbox="1065 1436 1333 1465">Center Left (Pos. 2)</td> <td data-bbox="1333 1436 1481 1465">800T-N317CL</td> </tr> <tr> <td data-bbox="1065 1465 1333 1495">Center Right (Pos. 3)</td> <td data-bbox="1333 1465 1481 1495">800T-N317CR</td> </tr> <tr> <td data-bbox="1065 1495 1333 1524">Right (Pos. 4)</td> <td data-bbox="1333 1495 1481 1524">800T-N317R</td> </tr> </tbody> </table>	Description	Position	Cat. No.	<b>Bul. 800T/H                              Non-Illuminated Selector Switch Padlocking Attachment</b> 2-, 3-, and 4-position selector switch padlocking attachments. Can be used to lock operators in a desired position. For 3-position selector switches, this device can also be used to lock out a left or right position as shown in the photo to the left.	For 2- and 3-Position Selector Switches		Left	800T-N316L	Center	800T-N316C	Right	800T-N316R	Window Center through Right - Prevent Left Operation	800T-N316J	Window Center through Left - Prevent Right Operation	800T-N316K	For 4-Position Selector Switches		Left (Pos. 1)	800T-N317L	Center Left (Pos. 2)	800T-N317CL	Center Right (Pos. 3)	800T-N317CR	Right (Pos. 4)	800T-N317R		
Description	Position	Cat. No.																											
<b>Bul. 800T/H                              Non-Illuminated Selector Switch Padlocking Attachment</b> 2-, 3-, and 4-position selector switch padlocking attachments. Can be used to lock operators in a desired position. For 3-position selector switches, this device can also be used to lock out a left or right position as shown in the photo to the left.	For 2- and 3-Position Selector Switches																												
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	Window Center through Left - Prevent Right Operation	800T-N316K																											
	For 4-Position Selector Switches																												
	Left (Pos. 1)	800T-N317L																											
	Center Left (Pos. 2)	800T-N317CL																											
	Center Right (Pos. 3)	800T-N317CR																											
	Right (Pos. 4)	800T-N317R																											
	 Cat. No. 800H-N4162L (Padlock not included)	<table border="1"> <tbody> <tr> <td data-bbox="532 1570 1333 1875" rowspan="12"> <b>Bul. 800T/H                              Illuminated Selector Switch Padlocking Attachment</b>                              2- and 3-position selector switch padlocking attachments for illuminated selector switches.                               Stainless steel material                         </td> <td colspan="2" data-bbox="1065 1570 1333 1600">For 2-Position Selector Switches</td> </tr> <tr> <td data-bbox="1065 1600 1333 1629">Left</td> <td data-bbox="1333 1600 1481 1629">800T-N4162L</td> </tr> <tr> <td data-bbox="1065 1629 1333 1659">Right</td> <td data-bbox="1333 1629 1481 1659">800T-N4162R</td> </tr> <tr> <td colspan="2" data-bbox="1065 1659 1333 1688">For 3-Position Selector Switches</td> </tr> <tr> <td data-bbox="1065 1688 1333 1717">Left</td> <td data-bbox="1333 1688 1481 1717">800T-N4163L</td> </tr> <tr> <td data-bbox="1065 1717 1333 1747">Center</td> <td data-bbox="1333 1717 1481 1747">800T-N4163C</td> </tr> <tr> <td data-bbox="1065 1747 1333 1776">Right</td> <td data-bbox="1333 1747 1481 1776">800T-N4163R</td> </tr> <tr> <td data-bbox="1065 1776 1333 1806">Window Center through Right - Prevent Left Operation</td> <td data-bbox="1333 1776 1481 1806">800T-N4163J</td> </tr> <tr> <td data-bbox="1065 1806 1333 1835">Window Center through Left - Prevent Right Operation</td> <td data-bbox="1333 1806 1481 1835">800T-N4163K</td> </tr> </tbody> </table>		<b>Bul. 800T/H                              Illuminated Selector Switch Padlocking Attachment</b> 2- and 3-position selector switch padlocking attachments for illuminated selector switches.  Stainless steel material	For 2-Position Selector Switches		Left	800T-N4162L	Right	800T-N4162R	For 3-Position Selector Switches		Left	800T-N4163L	Center	800T-N4163C	Right	800T-N4163R	Window Center through Right - Prevent Left Operation	800T-N4163J	Window Center through Left - Prevent Right Operation	800T-N4163K							
<b>Bul. 800T/H                              Illuminated Selector Switch Padlocking Attachment</b> 2- and 3-position selector switch padlocking attachments for illuminated selector switches.  Stainless steel material	For 2-Position Selector Switches																												
	Left	800T-N4162L																											
	Right	800T-N4162R																											
	For 3-Position Selector Switches																												
	Left	800T-N4163L																											
	Center	800T-N4163C																											
	Right	800T-N4163R																											
	Window Center through Right - Prevent Left Operation	800T-N4163J																											
	Window Center through Left - Prevent Right Operation	800T-N4163K																											




\* Diameter of hasp is 11/32 in. (8.73 mm)

**Guards**

	Description	Type	Cat. No.
 Cat. No. 800T-N13	<b>Bul. 800T Push Button Guards</b> Momentary push button guards to reduce the risk of accidental operation.	1 in. guard for non-illuminated	<b>800T-N13</b>
		1/2 in. guard for non-illuminated	<b>800T-N143</b>
		1-1/2 in. guard for illuminated	<b>800T-N93</b>
		1-1/2 in. guard for non-illuminated with locking attachment	800T-N39
 Cat. No. 800H-N152	<b>Bul. 800H Illuminated Push Button Guard</b> This guard provides additional protection against accidental operation of the push button unit. 1-1/2 in. (38.1 mm) guard for illumination units.		<b>800H-N152</b>
 Cat. No. 800T-N226	<b>Bul. 800T 18 mm Guard</b> Provides side protection for 18 mm pilot lights.		<b>800T-N226</b>
 Cat. No. 800H-N153	<b>Bul. 800H Stainless Steel Guard</b> Used on non-illuminated push buttons that have protective boots as shown on page 10-39.		<b>800H-N153</b>
 Cat. No. 800T-N129	<b>Bul. 800T Mushroom Push Button Guards</b> Momentary mushroom guards for standard and jumbo mushroom push buttons. Reduces the risk of accidental operation.	Standard guard	<b>800T-N129</b>
		Standard guard with set screw	<b>800T-N165</b>
		Jumbo guard	<b>800T-N151</b>
		Jumbo guard with set screw	<b>800T-N154</b>
 Cat. Nos. 800T-N310 and 800T-NX1320	<b>Bul. 800T/H Protective Guard</b> Protective ring for Bul. 800T 2-position push-pull operators. Illuminated or non-illuminated. Often used to avoid unintentional tripping of E-stop operators. This guard is used with standard size button (40 mm dia.).	Stainless steel	<b>800T-N310</b>
		Black	<b>800T-NX1320</b>
 Cat. No. 800T-N310J	<b>Bul. 800T/H Jumbo Protective Guard</b> Protective ring for Bul. 800T 2-position push-pull operators. Illuminated or non-illuminated. Often used to avoid unintentional tripping of E-stop operators.	60 mm (Jumbo)	<b>800T-N310J</b>
		63 mm	800T-N310L
 Cat. No. 800T-N381	<b>Bul. 800T/H Protective Guard</b> Protective ring for Bul. 800T trigger action E-stop operators.	45 mm	800T-N381
		60/63 mm	800T-N381L
 Cat. No. 800T-N339	<b>Bul. 800T/H Ramp Guard</b> For Bul. 800T/800H 2- and 3-position illuminated and non-illuminated push-pull units. Standard size button only (40 mm dia.).		<b>800T-N339</b>


**Replacement Lamps**

**Pilot Lights, Illuminated Push Buttons, Illuminated Push-Pull, Illuminated Push-Pull/Twist to Release, and Illuminated Selector Switches**

Lamp	Type	Current, Typical	Lamp Voltage	ANSI No.	Catalog Voltage Code	Cat. No.
	Full Voltage Transformer	150 mA/250 mA	6.3V AC	755/1866	6, 16, 26, 36, 46, 56, 76	* <b>800T-N65</b>
	Full Voltage	80 mA	14V AC/DC	756	12	* 800T-N141
		70 mA	24V AC/DC	757	24	* <b>800T-N157</b>
		50 mA	48V AC/DC	1835	48	* 800T-N365
	Full Voltage Resistor	22 mA	120V AC/DC	949	10, 11	* <b>800T-N169</b>
	Flashing	150 mA	6V AC/DC	267	6	* <b>800T-N212</b>
		57 mA	24V AC/DC	24 MB	24	* 800T-N180
Dual Input Diode	21 mA	120V AC	90 MB	16	* 800T-N261	
Neon 	—	2 mA	120V AC/DC	B2A	10, 20	<b>609-N9</b>
Lamp	Type	Current, Typical*	Lamp Voltage	Leakage Current	Code	Cat. No.*
	Universal	13 mA @ 24V DC 8.5 mA @ 120V AC†	3V‡	3 mA	2	800T-N376x
	Transformer	60	6V	14 mA	16, 26, 46, 56	800T-N377x



- \* Item is sold in multiples of 5. Order quantity of 5 to receive package of 5 pieces.
- \* To complete the cat. no. replace the **x** with the first letter of the desired color: **Green**, **Red**, or **White**.
- † Typical current consumption values indicated are relative to the input of the power module.
- ‡ Lamp is intended for use with power module Cat. No. 800TC-N374 which has an input voltage rating of 12 ...130V AC/DC.

**Legacy LED Lamps\***

Lamp	Type	Current, Typical>	Lamp Voltage	Leakage Current	Catalog Voltage Code	Cat. No.*
	Full Voltage	13 mA/22 mA	12V AC/DC	3 mA	12	800T-N362x
		20 mA/21 mA	24V AC/DC	3 mA	24	800T-N319x
		12 mA/17 mA	32V AC/DC	3 mA	32	800T-N363x
		9 mA/14 mA	48V AC/DC	3 mA	48	800T-N364x
		3.3 mA/6 mA	120V AC	—	10	800T-N320x
		4.5 mA/6.2 mA	130V AC/DC	3 mA	13	800T-N321x
	Transformer	50 mA	6V AC	14 mA	6, 16, 26, 36, 46, 56, 76	800T-N318x
Flashing	18 mA	24V AC/DC	—	N/A	+ 800T-N319Fx	

- \* In full voltage applications, these lamps are intended to be used with power module Cat. No. 800T-N330.
- ❖ All LEDs except 120V have an internal shunt resistor for use with solid-state outputs. LEDs will not illuminate below listed leakage current.
- > Typical current draw varies with LED color. The first mA value is for a green or blue LED and the second mA value is for a red or amber LED.
- \* To complete the cat. no. replace the **x** with the first letter of the desired color: **Amber**, **Green**, **Red**, **Blue**, or **White**. White LEDs only available in 6V, 24V, 120V, and 130V.
- + Flashing rate is 2 Hz.

**Cluster Pilot Lights**

Lamp	Type	Current, Typical	Lamp Voltage	ANSI No.	Cat. No.*
	Full Voltage Transformer	195 mA	6V AC/DC	381	<b>800T-N258</b>
	Full Voltage	73 mA	12V AC/DC	382	800T-N259
		37 mA	24V AC/DC	387	<b>800T-N260</b>
Lamp	Type	Current, Typical	Lamp Voltage	Polarity	Cat. No.*
	Full Voltage Transformer	45 mA	6V AC/DC	Positive	800T-N340x
	Full Voltage	36 mA	12V AC/DC	Positive	800T-N341x
		14 mA	28V AC/DC	Bi-Polar	11 <b>800T-N80x</b>

- \* Item is sold in multiples of 5. Order quantity of 5 to receive package of 5 pieces.
- \* To complete the cat. no., replace the **x** with the first letter of the desired color: **Amber**, **Green**, or **Red** only.
- 11 For use with 24V AC/DC rated devices.

**Replacement Keys for Cylinder Lock 2-, 3-, and 4-Position Selector Switches (800T only)**

Cylinder Lock Key Option Code	Series Key Number	Cat. No.	Cylinder Lock Key Option Code	Series Key Number	Cat. No.
Blank (standard key)	D018 (standard key)	<b>X-181170</b>	15	T112*	40269-087-01
03	D020*	<b>X-307922</b>	16	T115*	40269-087-02
04	D025*	<b>X-307923</b>	17	T324*	40269-087-03
05	D335*	<b>X-307924</b>	18	T382*	40269-087-04
06	D429*	<b>X-307925</b>	19	T404*	40269-087-05
07	D461*	<b>X-307926</b>	20	T171*	40269-087-06
08	D111*	X-307927	21	T484*	40269-087-07
09	D587*	X-307928	22	T547*	40269-087-08
10	D682*	X-307929	23	T569*	40269-087-09
11	D713*	X-307930	24	T692*	40269-087-10
12	D900*	<b>X-307931</b>	25	T752*	40269-087-11
13	D992*	X-307932	26	T178*	40269-087-12
14	D118*	X-307933			

\* Uses master key DM81, AB Cat. No. X-433358.

\* Uses master key 15T, AB Cat. No. X-433359.

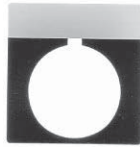
**Replacement Keys for Push Button Switches with Cylinder Locks (800T only)**

Lock Key Option Code			Series Key Number	Cat. No.
Spring Bolt	Dead Bolt A	Dead Bolt B		
Blank (standard key)	Blank (standard key)	Blank (standard key)	E158 (standard key)	<b>X-144218</b>
44	32	20	E109	X-386233
45	33	21	E131	X-386234
46	34	22	E100	X-386235
47	35	23	E115	X-386236
48	36	24	E120	X-386237
49	37	25	E104	X-386238
50	38	26	E108	X-386239
51	39	27	E132	X-386240
52	40	28	E144	X-386241
53	41	29	E157	X-386242
54	42	30	E101	X-386243
55	43	31	E102	40274-250-01
66	61	56	E106	40274-250-07
67	62	57	E111	40274-250-02
68	63	58	E117	40274-250-14
69	64	59	E125	40274-250-21
70	65	60	E130	40274-250-26



Blank and Custom Legend Plates — Aluminum, Type 4/13 (800T)

Blank/Custom Legend Plates



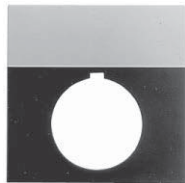
**Standard Legend Plate**



**Jumbo Legend Plate**

Legend Plate Color	Standard	Jumbo
	Cat. No.	Cat. No.
Grey	<b>800T-X559</b>	<b>800T-X559J</b>
Red	<b>800T-X621</b>	<b>800T-X621J</b>
Yellow	<b>800T-X679</b>	800T-X679J
Grey (with custom text)	<b>800T-X559E</b>	800T-X559JE
Red (with custom text)	800T-X621E	800T-X621JE
Yellow (with custom text)	800T-X679E	800T-X679JE

Specialty Legend Plates



**Automotive Legend Plate**



**Half Round Legend Plate**

Legend Plate Color	Automotive	Half Round*
	Cat. No.	Cat. No.
Grey (blank)	<b>800T-X700</b>	800T-X59
Red (blank)	<b>800T-X701</b>	800T-X121
Grey (with custom text)	800T-X700E	800T-X59E
Red (with custom text)	800T-X701E	800T-X121E

Note: Include text with custom legends.

\* All half round legend plates must be ordered in quantities of 25.

Custom Text Guidelines

Legend Size	No. of Lines	Max. No. of Characters per Line
Standard	1 line of	14
	2 lines of	14
Jumbo	5 lines	14
Automotive	4 lines	20

Custom Legend Plates for 4-Way Toggle and Cluster Pilot Lights

Legend Size	Cat. No.‡	Color	Text Options*
Standard	800T-X619E	Aluminum (with custom text)	2 lines of up to 14 characters on top 1 line of up to 14 characters on bottom
			1 vertical line of up to 7 characters on left side 1 vertical line of up to 7 characters on right side
			1 vertical line of up to 9 characters on left side 1 vertical line of up to 9 characters on right side

\* Rule sets listed are mutually exclusive; only one can be chosen.

‡ For blank toggle or cluster pilot legend, order Cat. No. 800T-X619.

Blank and Custom Legend Plates — Aluminum, Type 4/13 (800T), Continued  
 Specialty Legend Plates



Cat. No. 800T-X618



Cat. No. 800T-X647Y



Cat. No. 800T-X646

Type	Start/Stop Legend Plates		Emergency Stop Legend Plates	
	Grey	Yellow	Yellow (Large Size)	Yellow IEC Ring
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Push-to-Stop Pull-to-Start or Push-to-Stop Twist or Pull Release	800T-X618	800T-X618Y	800T-X647Y	—
Blank	—	—	800T-X645Y	800T-X646
Custom	—	—	800T-X645YE	—
Emergency Stop	—	—	—	800T-X646EM

Potentiometer Legend Plates



Cat. No. 800T-X609



Cat. No. 800T-X608

Type	Cat. No.
Potentiometer with graduated markings	* 800T-X609
SPEED	800T-X608

\* For graduated markings with a custom text, order Cat. No. 800T-X609E and specify up to two lines of text, 14 characters per line.

18 mm Legend Plates



Type A Legend Plate  
 Cat. No. 800T-N515

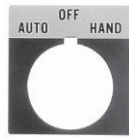
Description	Cat. No.
Blank	
Type A	800T-N515
Type B	800T-N516
With Custom Marking*	
Type A with Text	800T-N515E
Type B with Text	800T-N516E

\* Text must be supplied.

Custom Text Guidelines

Legend Type	Number of Lines	Maximum Number of Characters per Line
A	1	9
B	2	13

Standard Legend Plates – Aluminum, Type 4/13 (Bul. 800T)



Standard Legend Plate



Jumbo Legend Plate

Marking	Standard	Jumbo	Marking	Standard	Jumbo
	Cat. No.	Cat. No.		Cat. No.	Cat. No.
AUTO-OFF-HAND	<b>800T-X501</b>	800T-X501J	ON-OFF	<b>800T-X622</b>	800T-X622J
AUTO-MAN-OFF	<b>800T-X625</b>	800T-X625J	OPEN	<b>800T-X531</b>	800T-X531J
CLOSE	<b>800T-X502</b>	800T-X502J	OPEN-CLOSE	<b>800T-X532</b>	800T-X532J
CYCLE START	<b>800T-X562</b>	800T-X562J	OPEN-OFF-CLOSE	<b>800T-X533</b>	800T-X533J
DOWN	<b>800T-X503</b>	800T-X503J	OUT	<b>800T-X534</b>	800T-X534J
EMERG. STOP (Yellow)	<b>800T-X504Y</b>	—	POWER ON	<b>800T-X639</b>	800T-X639J
EMERG. STOP (Red)*	<b>800T-X504</b>	<b>800T-X504J</b>	RAISE	<b>800T-X535</b>	800T-X535J
EMERGENCY STOP (Red)*	<b>800T-X648</b>	<b>800T-X648J</b>	RAISE-LOWER	<b>800T-X536</b>	800T-X536J
FAST	<b>800T-X505</b>	800T-X505J	RAISE-OFF-LOWER	<b>800T-X537</b>	800T-X537J
FEED START	<b>800T-X566</b>	800T-X566J	RESET	<b>800T-X538</b>	800T-X538J
FEED STOP	<b>800T-X567</b>	800T-X567J	REVERSE	<b>800T-X539</b>	800T-X539J
FOR.-REV.	<b>800T-X506</b>	800T-X506J	RUN	<b>800T-X540</b>	800T-X540J
FOR.-OFF-REV.	<b>800T-X507</b>	800T-X507J	RUN-INCH	800T-X634	800T-X634J
FORWARD	<b>800T-X508</b>	800T-X508J	RUN-JOG	<b>800T-X541</b>	<b>800T-X541</b>
FOURTH SPEED	800T-X624	800T-X624J	SAFE-RUN	<b>800T-X542</b>	800T-X542J
FULL SPEED	<b>800T-X509</b>	800T-X509J	SECOND SPEED	800T-X543	800T-X543J
HAND-AUTO	<b>800T-X510</b>	800T-X510J	SPEED*	<b>800T-X608</b>	—
HAND-OFF-AUTO	<b>800T-X511</b>	800T-X511J	SLOW	<b>800T-X544</b>	800T-X544J
HIGH	<b>800T-X512</b>	800T-X512J	SLOW-FAST	<b>800T-X545</b>	800T-X545J
HIGH-LOW	<b>800T-X513</b>	800T-X513J	SLOW-OFF-FAST	<b>800T-X546</b>	800T-X546J
HIGH-OFF-LOW	<b>800T-X514</b>	800T-X514J	START	<b>800T-X547</b>	800T-X547J
IN	<b>800T-X515</b>	800T-X515J	START-JOG	<b>800T-X548</b>	800T-X548J
INCH	<b>800T-X516</b>	800T-X516J	START-STOP	<b>800T-X549</b>	800T-X549J
JOG	<b>800T-X517</b>	800T-X517J	STOP (Red)	<b>800T-X550</b>	<b>800T-X550J</b>
JOG FORWARD	<b>800T-X518</b>	800T-X518J	STOP-START	<b>800T-X551</b>	800T-X551J
JOG REVERSE	<b>800T-X519</b>	800T-X519J	SUMMER-OFF-WINTER	800T-X553	800T-X553J
JOG RUN	<b>800T-X520</b>	800T-X520J	SUMMER-WINTER	800T-X552	800T-X552J
JOG-SAFE-RUN	<b>800T-X522</b>	800T-X522J	TEST	<b>800T-X554</b>	800T-X554J
JOG-STOP-RUN	<b>800T-X521</b>	800T-X521J	THIRD SPEED	800T-X555	800T-X555J
LEFT-RIGHT	<b>800T-X523</b>	800T-X523J	UP	<b>800T-X556</b>	800T-X556J
LOCAL-REMOTE	<b>800T-X638</b>	800T-X638J	UP-DOWN	<b>800T-X557</b>	800T-X557J
LOW	<b>800T-X524</b>	800T-X524J	UP-OFF-DOWN	<b>800T-X558</b>	800T-X558J
LOW SPEED	800T-X525	800T-X525J	O (Red)	800T-X640	800T-X640J
LOWER	<b>800T-X526</b>	800T-X526J	I	800T-X641	800T-X641J
OFF	<b>800T-X527</b>	800T-X527J	O I	800T-X642	800T-X642J
OFF-COOLANT-ON	<b>800T-X528</b>	800T-X528J	I O II	800T-X643	800T-X643J
OFF-ON	<b>800T-X529</b>	800T-X529J	—	—	—
ON	<b>800T-X530</b>	800T-X530J	—	—	—

\* These legend plates do not comply with E-Stop standards that specify a yellow background, such as IEC 60947-5-5 and NFPA 79.

\* Potentiometer type with graduated markings.

Legend Plates – Plastic, Type 4/4X/13 (800H)



**Standard Legend Plate**  
 Cat. No. 800H-W100



**Jumbo Legend Plate**  
 Cat. No. 800H-W100J



**Automotive Legend Plate**  
 Cat. No. 800H-W100A

Blank/Custom Legend Plates Type 4/4X

Legend Plate Color	Standard	Jumbo	Automotive
	Cat. No.	Cat. No.	Cat. No.
Grey (Blank)	800H-W100	800H-W100J	800H-W100A
Red (Blank)	800H-W300	800H-W300J	800H-W300A
White (Blank)	800H-W500	800H-W500J	800H-W500A
Yellow (Blank)	800H-W700	800H-W700J	800H-W700A
Grey (with Custom Text)	800H-W100E	800H-W100JE	800H-W100AE
Red (with Custom Text)	800H-W300E	800H-W300JE	800H-W300AE
White (with Custom Text)	800H-W500E	800H-W500JE	800H-W500AE
Yellow (with Custom Text)	800H-W700E	800H-W700JE	800H-W700AE

**Note:** Include text with custom legends.

Custom Text Guidelines

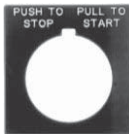
Legend Size	Number of Lines	Maximum Number of Characters per Line
Standard	1 Line of	13
	2 Lines of	13
Jumbo	5 Lines	13
Automotive	4 Lines	16



**Potentiometer Legend Plate**  
 Cat. No. 800H-W080

Potentiometer Legends

Legend Marking	Cat. No.
Graduated Markings Only	800H-W080
SPEED	800H-W081
Custom Legend with Graduated Marking	800H-W080E



Cat. No. 800H-W196



Cat. No. 800H-W797A



Cat. No. 800H-W690

Type	Start/Stop Legend Plates	Emergency Stop Legend Plates	
	Grey Cat. No.	Yellow (Large Size) Cat. No.	Yellow IEC Ring Cat. No.
Push-to-Stop Pull-to-Start	800H-W196	800H-W797A	—
Blank	—	800H-W700A	800H-W690
Custom	800H-W100E	800H-W700AE	—

Standard Legend Plates – Plastic, Type 4/4X/13 (800H)



Grey Legend Plate  
Type 4/4X



White Legend Plate  
Type 4/4X

Marking	Grey Type 4/4X	White Type 4/4X	Marking	Grey Type 4/4X	White Type 4/4X
	Cat. No.	Cat. No.		Cat. No.	Cat. No.
AUTO OFF HAND	<b>800H-W154</b>	800H-W554	LOWER	800H-W115	800H-W515
AUTO MAN OFF	800H-W059	800H-W459	MAN AUTO	<b>800H-W031</b>	800H-W431
CLOSE	<b>800H-W101</b>	800H-W501	MAN OFF AUTO	<b>800H-W062</b>	800H-W462
CYCLE START	800H-W006	800H-W406	MOTOR RUN	800H-W008	800H-W408
CYCLE STOP (Red)	<b>800H-W376</b>	—	MOTOR STOP (Red)	800H-W375	—
DECREASE	800H-W002	800H-W402	OFF	<b>800H-W116</b>	800H-W516
DOWN	<b>800H-W102</b>	800H-W502	OFF COOLANT ON	800H-W052	800H-W452
EMERG. STOP (Red)*	<b>800H-W372</b>	—	OFF LOC REMOTE	800H-W061	—
EMERGENCY STOP (Red)*	<b>800H-W373</b>	—	OFF MAN AUTO	800H-W060	800H-W460
FAST	800H-W104	800H-W504	OFF ON	<b>800H-W133</b>	<b>800H-W533</b>
FEED START	800H-W007	—	ON	<b>800H-W117</b>	<b>800H-W517</b>
FEED STOP (Red)	800H-W377	—	OPEN	<b>800H-W118</b>	800H-W518
FOR. REV.	800H-W132	800H-W532	OPEN CLOSE	<b>800H-W134</b>	800H-W534
FOR. OFF REV.	800H-W152	800H-W552	OPEN OFF CLOSE	800H-W153	800H-W553
FORWARD	<b>800H-W105</b>	800H-W505	OUT	800H-W119	800H-W519
FOURTH SPEED	800H-W010	—	POWER ON	<b>800H-W001</b>	800H-W401
FULL SPEED	800H-W106	800H-W506	PULL-TO-START	800H-W198	—
HAND AUTO	<b>800H-W131</b>	800H-W531	PUSH-TO-STOP (Red)	800H-W378	—
HAND OFF AUTO	<b>800H-W151</b>	<b>800H-W551</b>	RAISE	800H-W120	800H-W520
HIGH	800H-W107	800H-W507	RAISE LOWER	800H-W034	—
HIGH LOW	800H-W030	—	RAISE OFF LOWER	800H-W156	800H-W556
HIGH LOW OFF	800H-W058	—	RESET	<b>800H-W121</b>	<b>800H-W521</b>
HIGH OFF LOW	800H-W155	800H-W555	REVERSE	<b>800H-W122</b>	800H-W522
IN	800H-W108	800H-W508	RIGHT	800H-W005	800H-W405
INCH	800H-W109	800H-W509	RUN	<b>800H-W123</b>	800H-W523
INCREASE	800H-W003	—	RUN INCH	800H-W037	—
JOG	<b>800H-W110</b>	800H-W510	RUN JOG	800H-W032	—
JOG FORWARD	800H-W111	800H-W511	SAFE RUN	800H-W033	—
JOG REVERSE	800H-W112	800H-W512	SECOND SPEED	800H-W124	800H-W524
JOG RUN	800H-W135	800H-W535	SLOW	800H-W125	800H-W525
JOG SAFE RUN	800H-W051	—	SLOW FAST	800H-W136	800H-W536
JOG STOP RUN	800H-W057	—	SLOW OFF FAST	800H-W157	800H-W557
LEFT	800H-W004	800H-W404	SPEED*	<b>800H-W081</b>	800H-W481
LEFT RIGHT	800H-W036	—	SPEED*	800H-W182	—
LOC OFF REMOTE	800H-W055	800H-W455	START	<b>800H-W126</b>	<b>800H-W526</b>
LOW	800H-W113	800H-W513	START JOG	800H-W138	800H-W538
LOW HIGH	800H-W035	—	START JOG STOP	800H-W158	800H-W558
LOW OFF HIGH	800H-W056	—	START RUN STOP	800H-W054	—
LOW SPEED	800H-W114	800H-W514	START STOP	800H-W137	800H-W537

\* These legend plates do not comply with E-Stop standards that specify a yellow background, such as IEC 60947-5-5 and NFPA 79.

\* Potentiometer type with graduated markings.

Standard Legend Plates – Plastic, Type 4/4X/13 (800H)



**Grey Legend Plate**  
Type 4/4X



**White Legend Plate**  
Type 4/4X

Marking	Grey Type 4/4X	White Type 4/4X	Marking	Grey Type 4/4X	White Type 4/4X
	Cat. No.	Cat. No.		Cat. No.	Cat. No.
UP	<b>800H-W009</b>	800H-W409	STOP (Red)	<b>800H-W371</b>	—
UP DOWN	800H-W039	—	STOP RUN START	800H-W053	—
UP OFF DOWN	800H-W160	800H-W560	STOP START	800H-W038	800H-W438
<b>O</b> (Red)	800H-W184	—	SUMMER OFF WINTER	800H-W159	800H-W559
<b>O I</b>	800H-W185	800H-W582	SUMMER WINTER	800H-W139	800H-W539
<b>I</b>	800H-W181	800H-W581	TEST	<b>800H-W128</b>	800H-W528
<b>I O II</b>	800H-W183	800H-W583	THIRD SPEED	800H-W129	800H-W529

Flip Lever Legend Plates (for use with Series D operators)

Marking	Grey — Type 4/4X	Marking	Grey — Type 4/4X	Marking	Grey — Type 4/4X
	Cat. No.		Cat. No.		Cat. No.
Blank	<b>800H-W200</b>	LOW	800H-W213	RUN	800H-W223
Customer-Specified*	<b>800H-W200E</b>	BAS	800H-W213F	EN MARCHE	800H-W223F
CLOSE	800H-W201	LOW SPEED	800H-W214	SECOND SPEED	800H-W224
FERMER	800H-W201F	VITESSE MIN	800H-W214F	VITESSE 2	800H-W224F
DOWN	<b>800H-W202</b>	LOWER	800H-W215	SLOW	800H-W225
DESCENDRE	800H-W202F	ABAISSER	800H-W215F	LENT	800H-W225F
FAST	800H-W204	OFF	800H-W216	START	800H-W226
RAPIDE	800H-W204F	ARRÊTER	800H-W216F	MARCHE	800H-W226F
FORWARD	800H-W205	ON	800H-W217	TEST	800H-W228
AVANT	800H-W205F	DÉMARRER	800H-W217F	ESSAI	800H-W228F
FULL SPEED	800H-W206	OPEN	800H-W218	THIRD SPEED	800H-W229
VITESSE MAX	800H-W206F	OUVRIER	800H-W218F	VITESSE 3	800H-W229F
HIGH	800H-W207	OUT	800H-W219	I	800H-W281
HAUT	800H-W207F	SORTIR	800H-W219F	O	800H-W284
IN	800H-W208	RAISE	800H-W220	LEFT	800H-W286
ENTRER	800H-W208F	ÉLEVER	800H-W220F	GAUCHE	800H-W286F
INCH	800H-W209	RESET	800H-W221	RIGHT	800H-W287
POUCE	800H-W209F	RÉARMER	800H-W221F	DROITE	800H-W287F
JOG	800H-W210	REVERSE	800H-W222	UP	800H-W288
À COUPS	800H-W210F	ARRIERE	800H-W222F	EN HAUT	800H-W288F

\* 12 characters max.

10

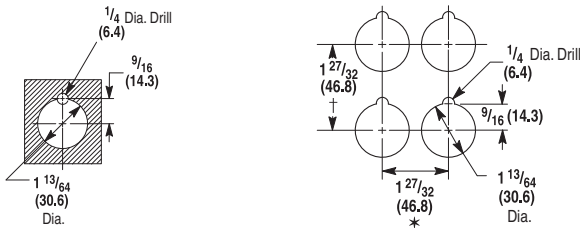
Marking	Red — Type 4/4X
	Cat. No.
Blank	800H-W400
Customer-Specified*	<b>800H-W400E</b>
EMERG. STOP	800H-W472
ARRÊT URGENT	800H-W472F
STOP	800H-W471
ARRET	<b>800H-W471F</b>
O	800H-W484

\* 12 characters max.

**Approximate Dimensions**

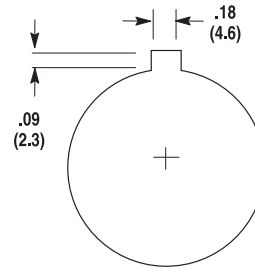
Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

**Mounting Instructions for Push Buttons with Shallow Blocks, Mini Blocks, Logic Reed Blocks, Sealed Switch Blocks, and Time Delay Blocks (see footnotes for exceptions)**



Sketch illustrates the minimum distance between centerlines when mounting Bulletin 800T/H controls either side-by-side, facing each other, or one above the other. When control units are mounted so that the contact block terminals face each other, the 2-1/4 in. (57.2 mm) dimension must be used in order to get proper electrical clearance. When control units are mounted so that the contact block terminals do not face each other, the 1-27/32 in. (46.8 mm) dimension can be used.

**Typical Panel Cut-Out**



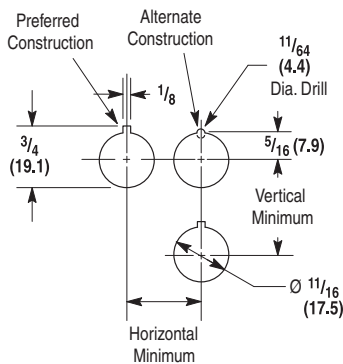
- \* Change to 2-1/4 in. (57.2 mm) for transformer type pilot light, push-to-test pilot lights, illuminated selector switches, and all push-pull buttons.  
**Note:** Large legend plate requires minimum horizontal spacing of 2-15/32 in. (62.7 mm).
- ⊛ Vertical minimum spacing dimension changes for the following legend plates: jumbo 2-15/32 in. (62.7 mm); large 2-7/16 in. (61.9 mm); cluster pilot light and 2-, 3-, 4-way switches 2-1/16 in. (52.4 mm).

**Panel Thickness** — Kits are shipped with three 1/16 in. (1.58 mm) gaskets. Refer to table below for number of washers required for various panel thicknesses.

	1/16 in. (1.6 mm) (16 Gauge)	7/64 in. (2.8 mm) (12 Gauge) 9/64 in. (3.6 mm) (10 Gauge)	3/16 in. (4.8 mm) Panel	Thicker Than 3/16 in. (4.8 mm) Panel	Thicker Than 1/4 in. (6.4 mm) Panel
<b>800T</b>	3 washers	2 washers	1 washer	Counterbore to 3/16 in. (4.8 mm)	Counterbore to 3/16 in. (4.8 mm)
<b>800H</b>	4 washers	3 washers	2 washers	1 washer	Counterbore to 1/4 in. (6.4 mm)

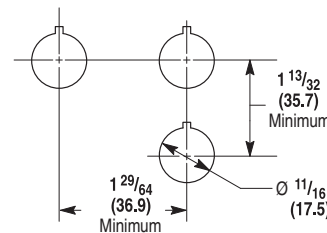
**Mounting Instructions for 18 mm Small Pilot Lights**

**Type A Legend Plate**



Cat. No. 800T-N515

**Type B Legend Plate**



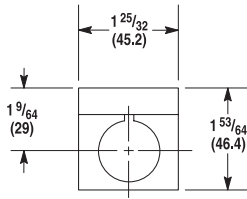
Device	Dimensions	
	Horizontal	Vertical
800T-PS, PSD, PST, QS, QST and RST	31/32 (24.6)	1-5/32 (29.4)
800T-PSDT	1-3/64 (26.6)	1-15/64 (31.4)

# 30.5 mm Push Buttons

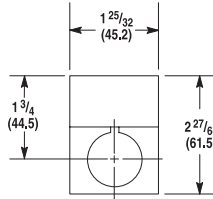
## Approximate Dimensions

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

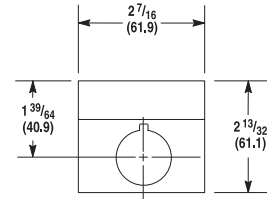
### Legend Plate Dimensions (Bul. 800T Only)



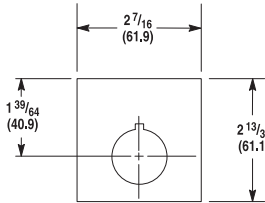
**Standard Legend Plate**



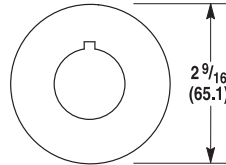
**Jumbo Legend Plate**



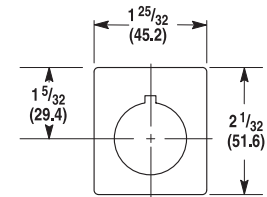
**Large Legend Plate  
(Automotive Industry Type)**



**Large Size  
Push-Pull/Twist Legend Plate  
Cat. No. 800T-X647\***



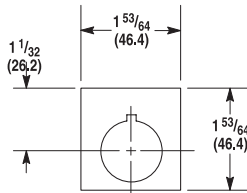
**Round  
Cat. No. 800T-X646\***



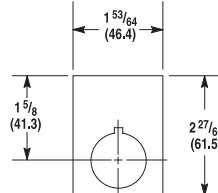
**Cluster Pilot Light and  
2-3-4 Way Switch  
Silver Legend Plate  
Cat. No. 800T-X619**

\* For panel mounting only. Not for use with Allen-Bradley enclosures.

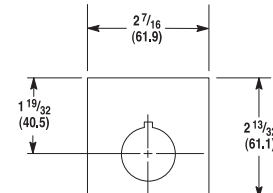
### Legend Plate Dimensions (Bul. 800H Only)



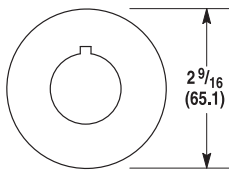
**Type 4/4X  
Standard Legend Plate**



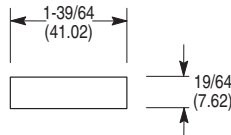
**Type 4/4X  
Jumbo Legend Plate**



**Type 4/4X  
Large Legend Plate  
(Automotive Industry Type)**



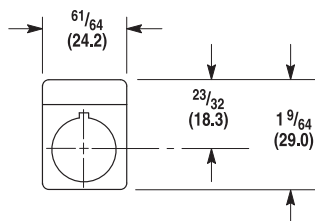
**Type 4/4X  
Round**



**Type 4/4X  
Standard Legend Plate  
(Flip Lever Operators)**

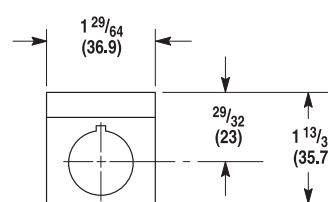
### Legend Plate Dimensions (Bul. 800T 18 mm Pilot Lights Only)

#### Legend Plate for Small Pilot Light Type A Legend



**Cat. No. 800T-N515**

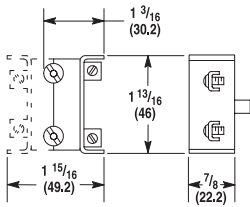
#### Legend Plate for Small Pilot Light Type B Legend



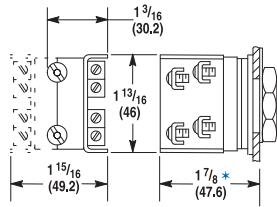
**Cat. No. 800T-N516  
(Automotive Industry Type)**

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

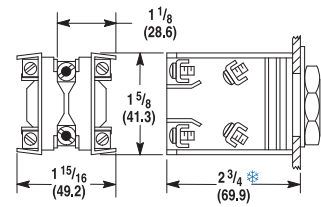
**Blocks (Bul. 800T Only)**



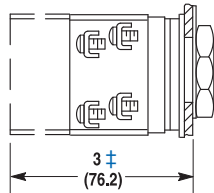
**Mini Contact Block**  
 7/8 (22.2) Deep



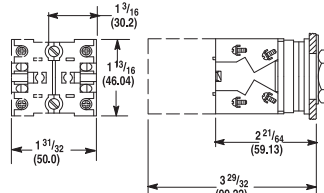
**Shallow, PentUFF,  
 and Logic Reed Contact Blocks**  
 1-1/8 (28.6) Deep



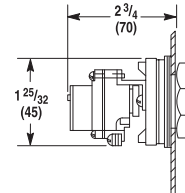
**Sealed Switch Block**  
 2 (50.8) Deep



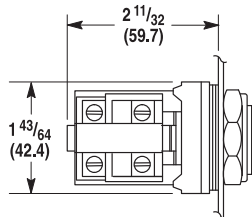
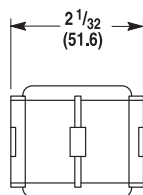
**Tandem Mounting**  
 (2 shallow contact  
 blocks stacked)



**Stackable Sealed Switch Block**  
 1.58 (40.1) Deep



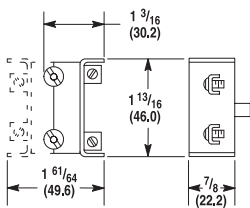
**Time Delay Contact Block**  
 (For Push Buttons Only)



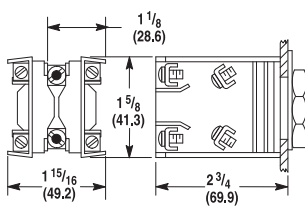
**Snap Action Contact Block (For Push Button Only)**

- \* Dimension shown is for push buttons. Selector switch dimension is 2-1/32 in. (51.6 mm).
- ⊛ Dimension shown is for push buttons. Selector switch dimension is 2-27/32 in. (72.2 mm).
- ‡ Dimension shown is for push buttons. Selector switch dimension is 3-5/32 in. (80.2 mm).

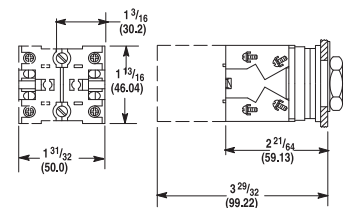
**Blocks (Bul. 800H Only)**



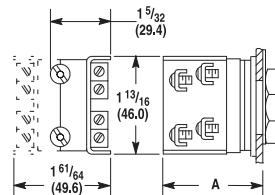
**Mini Contact Block**



**Sealed Switch Block**  
 2 (50.8) Deep



**Stackable Sealed Switch Block**  
 1.58 (40.1) Deep



**Shallow, PentUFF and Logic  
 Reed Contact Blocks**

Dim.	Momentary Push Button	Maintained Push Button	Selector Switch
A	2 (50.8)	2 (50.8)	1-29/32 (48.4)

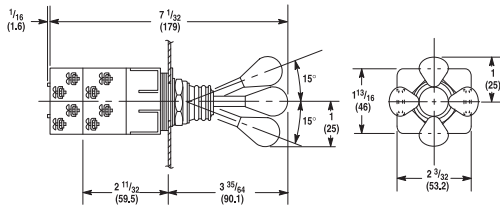
Operator Extension Behind Panel — When mounted with thrust washer, trim washer, or notched legend plate and correct number of rubber washers.

# 30.5 mm Push Buttons

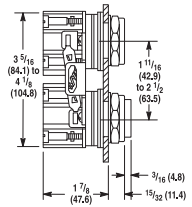
## Approximate Dimensions

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

### Push Buttons and Switches (Bul. 800T Only)

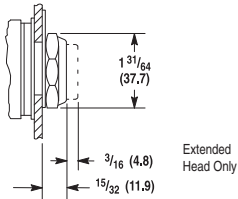


**2-3-4 Way Switch**  
**Shipping Wt. with 2 Contact Blocks 6 oz (0.17 kg)**  
**Shipping Wt. with 4 Contact Blocks 8-1/2 oz (0.24 kg)**

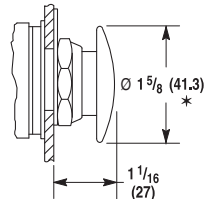


**Mechanically Interlocked Maintained Contact Push Button**  
**Shipping Wt. 1 lb (0.45 kg)**

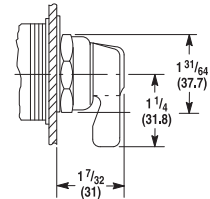
### Push Buttons and Pilot Lights



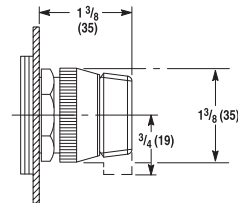
**Flush and Extended Head Push Button**  
**Shipping Wt. 5-1/2 oz (0.15 kg)**



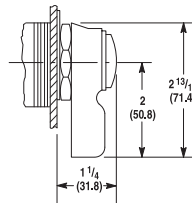
**Mushroom Head Push Button**  
**Shipping Wt. 7-1/2 oz (0.21 kg)**



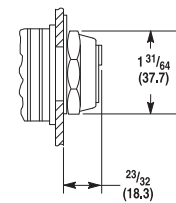
**Non-Illuminated Knob Lever and Standard Knob Selector Switch**  
**Shipping Wt. 6 oz (0.17 kg)**



**Illuminated Knob Lever and Standard Knob Selector Switch**  
**Shipping Wt. 6 oz (0.17 kg)**



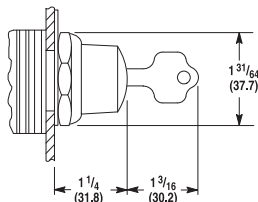
**Wing Lever Selector Switch**  
**Shipping Wt. 8 oz (0.22 kg)**



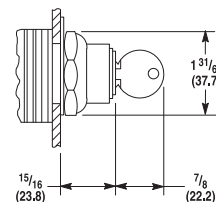
**Coin Slot Selector Switch**  
**Shipping Wt. 6 oz (0.17 kg)**

\* Except jumbo which is 2-1/4 (57.2).

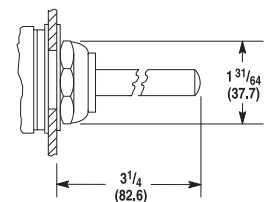
### Operator Extension in Front of Panel (Bul. 800T Only)



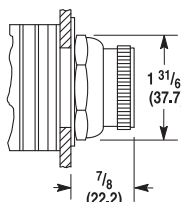
**Key Operated Selector Switch**  
**Shipping Wt. 12 oz (0.34 kg)**



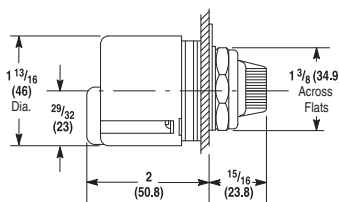
**Push Button with Cylinder Lock**  
**Shipping Wt. 12 oz (0.34 kg)**



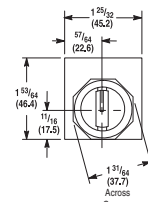
**Wobble Stick**  
**Shipping Wt. 9 oz (0.25 kg)**



**Selector Push Button**  
**Shipping Wt. 6 oz (0.17 kg)**

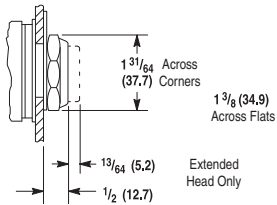


**Type J Potentiometer Unit**  
**Shipping Wt. 4 oz (0.11 kg)**

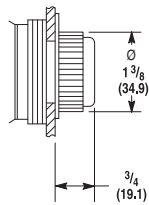


Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

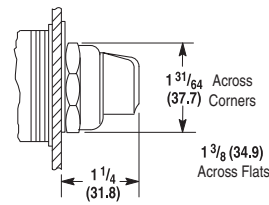
**Push Buttons and Switches (Bul. 800H Only)**



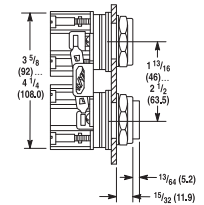
*Bootless Flush and Extended Head Momentary Contact Push Button*  
**Shipping Weight. 5-1/2 oz (0.16 kg)**



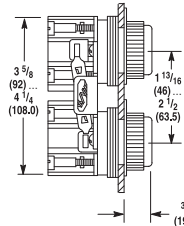
*Booted Flush and Extended Head Momentary Contact Push Button*  
**Shipping Weight. 5-1/2 oz (0.16 kg)**



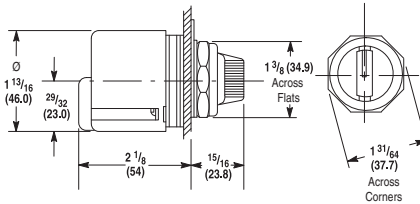
*Standard Knob Selector Switch Non-Illuminated*  
**Shipping Weight. 6 oz (0.17 kg)**



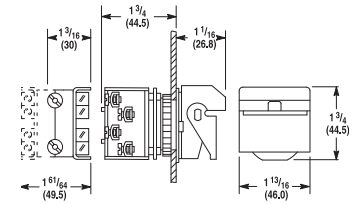
*Bootless Maintained Contact Push Buttons*



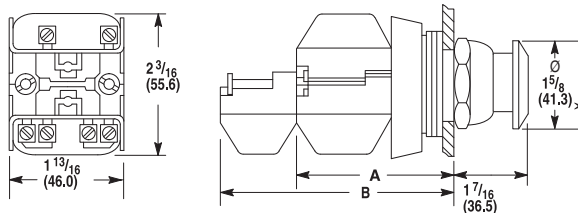
*Booted Maintained Contact Push Buttons*  
**Shipping Weight. 1 lb (0.45 kg)**



*Type J Potentiometer Unit*  
**Shipping Weight. 7 oz (0.20 kg)**



*Type 4 Flip Lever*  
**Shipping Weight. 8 oz (0.14 kg)**



**Mushroom Head — Maintained and Momentary**

**Non-Illuminated Mushroom and Push-Pull Push Buttons**

Cat. No. Suffix	Description	Dimensions		Shipping Weights
D4	One Shallow Block	A	2-1/32 (51.6)	5 oz (0.14 kg)
A1, A5 and A7	Two Shallow blocks	A	2-1/32 (51.6)	6 oz (0.17 kg)
B6	Two Shallow Blocks and Two Mini Blocks	B	2-7/8 (73.0)	8 oz (0.22 kg)

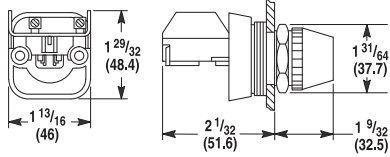
\* Jumbo versions are 2-1/4 (57.2).

# 30.5 mm Push Buttons

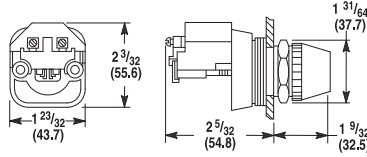
## Approximate Dimensions

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

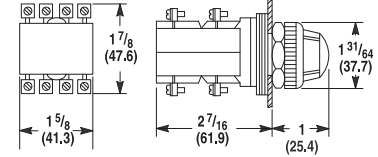
### Pilot Light and Illuminated Devices (Bul. 800T Only)



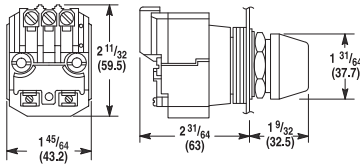
Full Voltage, Neon and Dual Input Pilot Light  
Shipping Wt. 5 oz (0.14 kg)



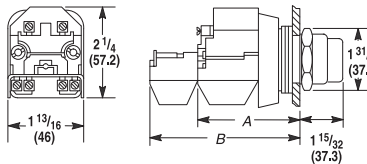
Transformer Type Pilot Light  
Shipping Wt. 8 oz (0.22 kg)



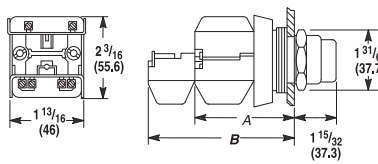
Cluster Pilot Light  
Shipping Wt. 12 oz (0.34 kg)



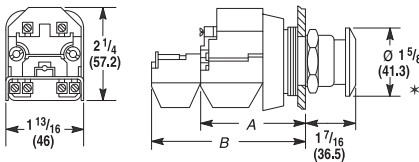
Dual Input Transformer Type Pilot Light



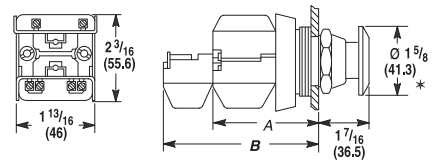
Transformer Type (Push-to-Test Pilot Light and Illuminated Push Button)



Full Voltage, Neon and Dual Input Type (Push-to-Test Pilot Light and Illuminated Push Button)



Push-Pull and Twist or Pull Release Units (Transformer Type Illuminated)



Push-Pull and Twist or Pull Release Units (Full Voltage, Neon and Dual Input Illuminated and All Non-Illuminated)

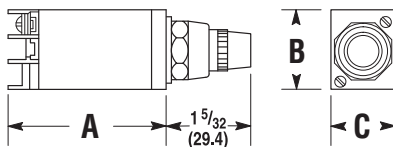
\* Jumbo mushroom versions are 2-1/4 in. (57.2 mm) diameter.

Push-to-Test Pilot Lights Illuminated Push Buttons and Illuminated Push-Pull Buttons							Non-Illuminated Push-Pull Buttons					
Cat. No. Suffix*	Description	Transformer Type		Full Voltage or Neon Type		Cat. No. Suffix	Description	Transformer Type				
		Dim.	Ship. Wt.	Dim.	Ship. Wt.			Dim.	Ship. Wt.			
D4	Transformer or Terminal Module and One Shallow Contact Block	A	2-5/32 (54.8)†	9 oz. (0.25 kg)	A	2-1/32 (51.6)	7 oz. (0.25 kg)	D4	One Shallow Contact Block	A	2-1/32 (51.6)	5 oz. (0.14 kg)
A1 and A7	Transformer or Terminal Module and One Shallow Block and One Mini Contact Block	B	2-7/8 (73)	10 oz. (0.28 kg)	B	2-7/8 (73)	8 oz. (0.22 kg)	A4 A5 A7	Two Shallow Contact Blocks	A	2-1/32 (51.6)	6 oz. (0.17 kg)
AP D1P D2P	Transformer or Terminal Module and One Sealed Switch Contact Block	A	3-1/32 (77)	10 oz. (0.28 kg)	A	2-29/32 (73.8)	8 oz. (0.22 kg)	B6	Two Shallow Blocks and Two Mini Contact Blocks	B	2-7/8 (73)	8 oz. (0.22 kg)

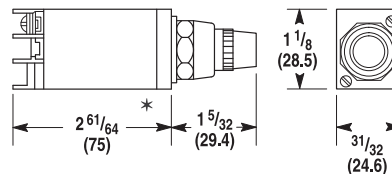
\* Applies to illuminated push-pull push buttons only.

† Dual input type pilot light dimension is 2-13/32 in. (61.1 mm).

### 18 mm Small Pilot Lights



Small Pilot Light Including Push-To-Test  
Shipping Weight 3 oz (0.08 kg)



Small Pilot Light Dual Input (Diode)  
Shipping Weight 3 oz (0.08 kg)

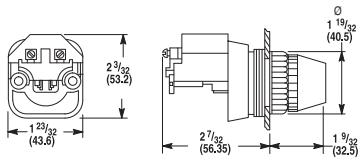
Device	A	B	C
800T-PS, -PSD, -PST, -QS, -QST, and -RST	2-1/4 (57.2)	1-1/16 (27)	27/32 (21.4)
800T-PSDT	2-61/64 (75)	1-15/64 (31.4)	31/32 (24.6)

\* Transfer dual input pilot light dimension is 2-31/32 in. (75.4 mm).

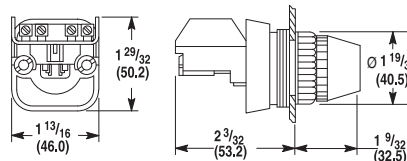


Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

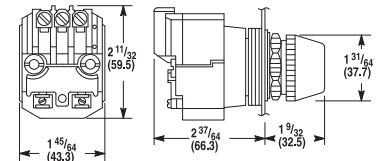
**Push-to-Test Pilot Light and Illuminated Devices (Bul. 800H Only)**



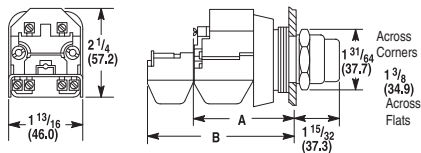
**Transformer Type Pilot Light**  
 (Incandescent and LED)  
**Shipping Weight. 12 oz (0.34 kg)**



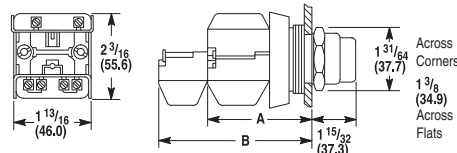
**Full Voltage and Dual Input Diode Type**  
 Pilot Light (Incandescent, Neon, LED)  
**Shipping Weight. 5 oz (0.14 kg)**



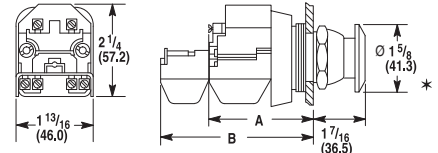
**Dual Input Transformer Type Pilot Light**  
**Shipping Weight. 14 oz (0.40 kg)**



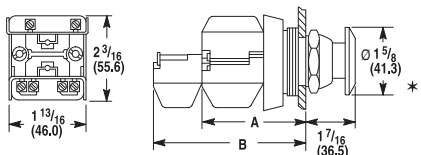
**Push-to-Test Pilot Light and Illuminated**  
 Push Button  
 (Transformer Type: Incandescent, LED)



**Push-to-Test Pilot Light and**  
 Illuminated Push Button  
 (Full Voltage: Incandescent, LED, Neon;  
 and Dual Input Type)



**Momentary Mushroom, Push-Pull and Twist or**  
 Pull Release Units  
 (Transformer Type: Incandescent, LED; Illuminated)



**Momentary Mushroom, Push-Pull and**  
 Twist or Pull Release Units  
 (Full Voltage: Incandescent, LED, Neon;  
 and Dual Input Illuminated)

**Push-to-Test Pilot Lights**  
**Illuminated Push Buttons, Illuminated Push-Pull and Twist or Pull Release Push Buttons**

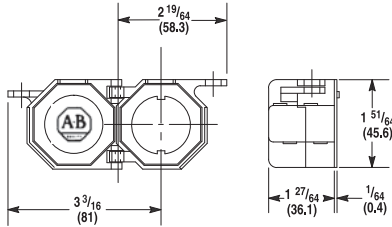
Cat. No. Suffix*	Description	Transformer Type			Full Voltage or Neon Type		
		Dimension	Shipping Weight	Dimension	Shipping Weight		
D4	Transformer or Terminal Module and One Shallow Contact Block	A	2-5/32 (54.8)‡	9 oz. (0.25 kg)	A	2-1/32 (51.6)§	7 oz. (0.20kg)
A1 and A7	Transformer or Terminal Module, One Shallow Block and One Mini Contact Block	B	2-7/8 (73)	10 oz. (0.28 kg)	B	2-7/8 (73)	8 oz. (0.22 kg)
AP	Transformer or Terminal Module and One Sealed Switch Contact Block	B	2-29/32 (73.8)	10 oz. (0.28 kg)	B	2-29/32 (73.8)	8 oz. (0.22 kg)

\* Jumbo mushroom versions are 2-1/4 in. (57.2 mm) diameter.  
 \* Applies to illuminated push-pull push buttons only.  
 ‡ Dual input type pilot light dimension is 2-13/32 in. (61.1 mm).  
 § Dual input type pilot light dimension is 2-9/32 in. (57.9 mm).

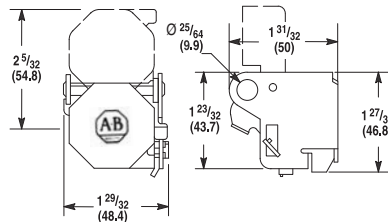
Bulletin 800T/H  
**30.5 mm Push Buttons**  
 Approximate Dimensions

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

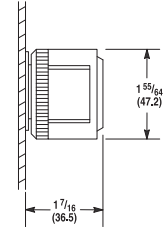
**Accessories**



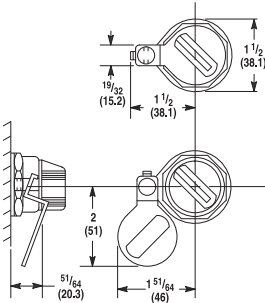
*Push Button Padlocking Cover*  
 (not for use with Jumbo Mushroom Head devices)  
**Shipping Wt. 1 oz (0.03 kg)**



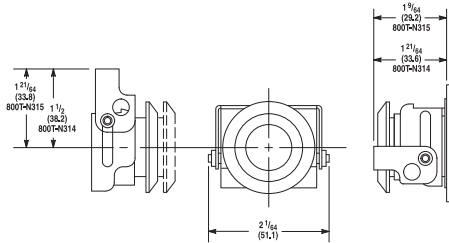
*Selector Switch and Potentiometer Unit Padlocking Cover*



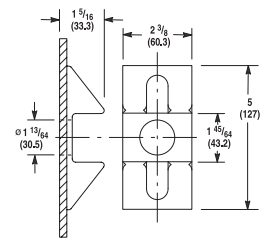
*Protective Ring and Push-Pull Illuminated or Non-Illuminated Operators*



*Selector Switch Padlocking Attachment*

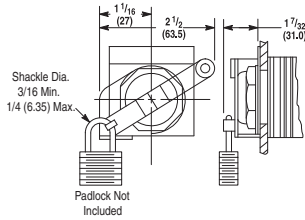


*Push-Pull Padlocking Attachment and Metal Mushroom Push Button Padlocking Attachment*

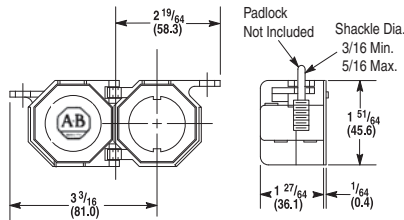


*Ramp Guard for Push-Pull Illuminated or Non-Illuminated Operators*

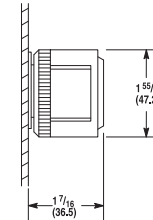
**Accessories (Bul. 800H Only)**



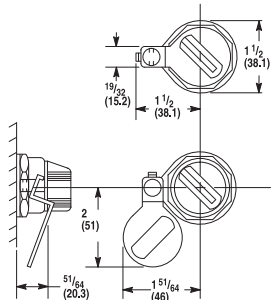
*Locking Attachment for Extended, Non-Illuminated Push Buttons*



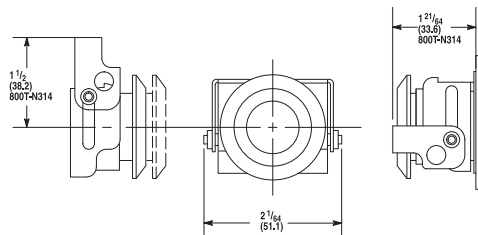
*800H-N140 Locking Cover for 2-Position Non-Illuminated Maintained Twist or Pull Release and Standard Knob Selector Switch (1-5/8 (41.3) Mushroom Head only)*



*Protective Ring for 2-Position Push-Pull/Twist Illuminated or Non-Illuminated Operators*



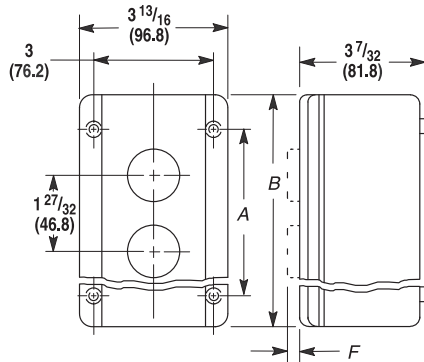
*Non-Illuminated Selector Switch Padlocking Adjustment*



*Push-Pull/Twist Padlocking Attachment*

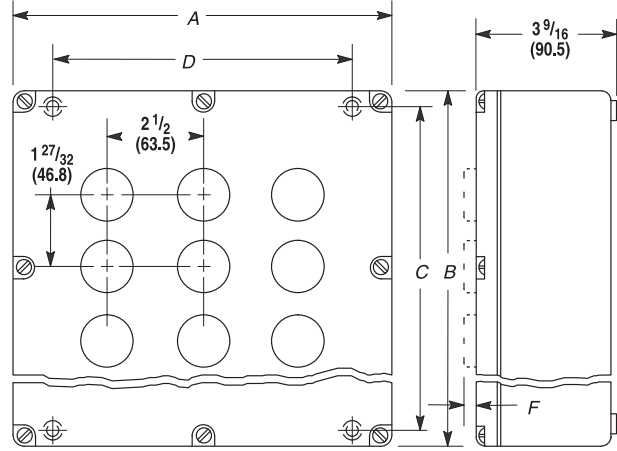
Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

**Die Cast Enclosures (Bul. 800T Only)**



Enclosure Dimensions					
Dim.	No. of Units				
	1	2	3	4	6
A	2-3/4 (69.9)	4-1/2 (114.3)	6-1/4 (158.8)	8 (203.2)	12-1/8 (308)
B	4-3/16 (106.4)	5-7/8 (144.2)	7-9/16 (192.1)	9-1/2 (241.3)	13-1/2 (342.4)

**Note:** Mounting holes (4) — Screw shaft 13/64 in. (5.16 mm) max. diameter.



Enclosure Dimensions				
Dim.	No. of Units			
	6	9	12	16
A	7-1/4 (184.2)	9-3/4 (247.7)	9-3/4 (247.7)	12-1/2 (317.5)
B	9 (228.6)	9 (228.6)	11 (279.4)	11 (279.4)
C	8-1/4 (209.6)	8-1/4 (209.6)	10-1/8 (257.2)	10-1/8 (257.2)
D	5-3/8 (136.5)	7-7/8 (200)	7-7/8 (200)	10-5/8 (269.9)

**Note:** Mounting holes (4) — Screw shaft 7/32 in. (5.56 mm) max. diameter.

**F Dimension**

Type of Unit		Dimension F
Push Buttons	Flush Extended	15/32 (11.9)
	Extended	21/32 (16.7)
	Mushroom	1 (25.4)
	Selector	7/8 (22.2)
	Cylinder Lock	1-13/16 (46)
Selector Switches	Standard	1-7/32 (30.9)
	Cylinder Lock	2-7/16 (61.9)
	Coin Slot	3/4 (19.1)
Pilot Light		1-1/8 (28.6)
Potentiometers		1-1/16 (27)

**Conduit Openings**

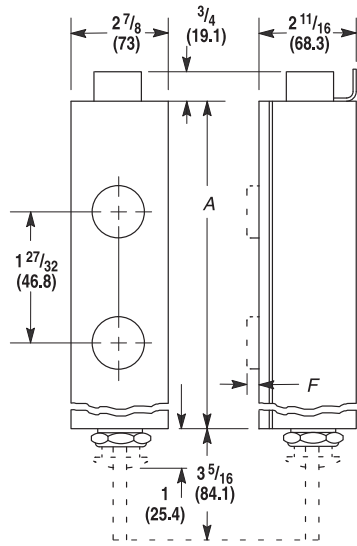
General Class	Description	No. of Units*						
		1...4	6	9	12	16	20	25
Surface Mounted Enclosure	Die Cast	3/4 in. 14 N.P.T.	1 in. 11-1/2 N.P.T.	1 in. 11-1/2 N.P.T.	1 in. 11-1/2 N.P.T.	1-1/2 in. 11-1/2 N.P.T.	—	—

\* Number of units that can be mounted in the enclosure.

Bulletin 800T/H  
**30.5 mm Push Buttons**  
 Approximate Dimensions

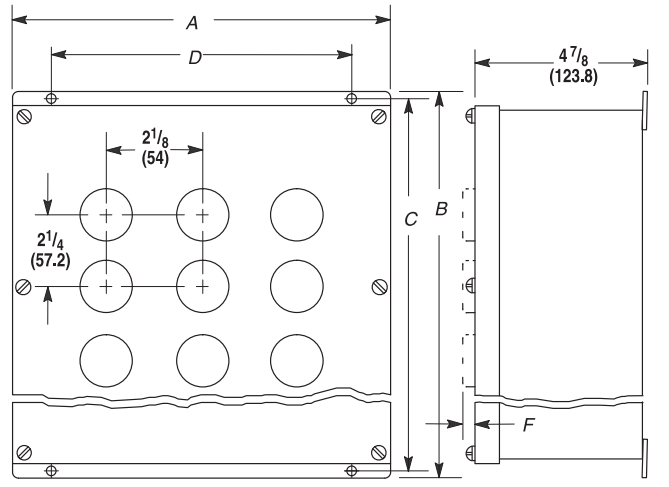
Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

**Enclosures (Bul. 800T Only), Continued**  
**Pendant Stations**



No. of Units	Dimension A
2	5-13/16 (147.6)
3	7-21/32 (194.5)
4	9-1/2 (241.3)
5	11-11/32 (288.1)
6	13-3/16 (335)
7	15-1/32 (381.7)
8	16-7/8 (428.6)
9	18-23/32 (475.4)
10	20-9/16 (522.3)

**Sheet Metal Enclosures**



Dim.	Enclosure Dimensions					
	No. of Units					
	6	9	12	16	20	25
A	6-15/16 (176.2)	8-11/16 (220.7)	8-11/16 (220.7)	10-7/16 (265.1)	10-7/16 (265.1)	12-1/2 (317.5)
B	11-1/8 (282.6)	11-1/8 (282.6)	13-1/2 (342.9)	13-1/2 (342.9)	15-7/8 (403.2)	15-7/8 (403.2)
C	10-1/2 (266.7)	10-1/2 (266.7)	12-7/8 (370)	12-7/8 (370)	15-1/4 (387.4)	15-1/4 (387.4)
D	5 (127)	6-3/4 (171.5)	6-3/4 (171.5)	8-1/2 (215.9)	8-1/2 (215.9)	10-1/4 (260.4)

**Note:** Mounting holes (4) — Screw shaft 7/32 in. (5.56 mm) max. diameter.

**F Dimension**

Type of Unit		Dimension F
Push Buttons	Flush Extended	15/32 (11.9)
	Extended	21/32 (16.7)
	Mushroom	1 (25.4)
	Selector	7/8 (22.2)
	Cylinder Lock	1-13/16 (46)
Selector Switches	Standard	1-7/32 (30.9)
	Cylinder Lock	2-7/16 (61.9)
	Coin Slot	3/4 (19.1)
Pilot Light		1-1/8 (28.6)
Potentiometers		1-1/16 (27)

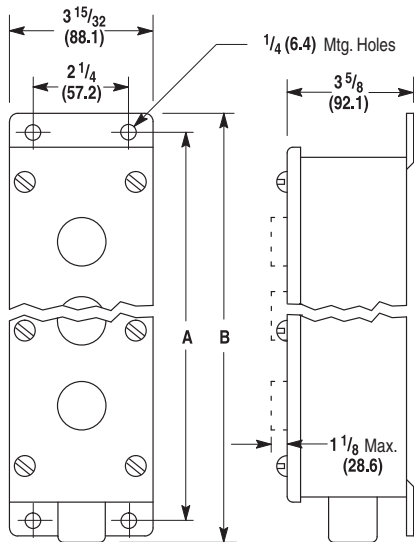
**10 Conduit Openings**

General Class	Description	No. of Units*					
		1...4	6	9	12	16	20
Surface Mounted Enclosure	Sheet Metal	None — Drilled to suit by customer.					
Pendant Type Enclosure	with Opening in Bottom	2...5			6...10		
		1 (25.4) Conduit Hub			1-1/4 (31.8) Conduit Hub		
	with Opening in Cover	1 (25.4) Conduit Hub			1-1/4 (31.8) Conduit Hub		

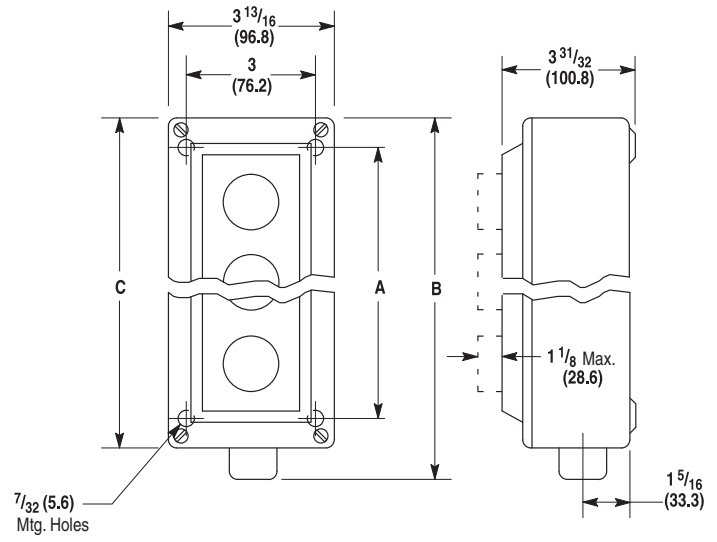
\* Number of units that can be mounted in the enclosure.

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

**Enclosures (Bul. 800H Only)**



**Type 4/4X/13 Stainless Steel**  
 Watertight, Oiltight, Corrosion Resistant Enclosure



**Type 4/4X/13 Rosite Glass Polyester**  
 Watertight, Oiltight, Corrosion Resistant Enclosure

Dimension	Type 4/4X/13 Stainless Steel							
	Number of Units							
	1	2	3	4	5	6	7	8
A	5-5/32 (131)	7 (177.8)	8-27/32 (224.6)	10-11/16 (271.5)	12-17/32 (318.3)	14-3/8 (365.1)	16-7/32 (412)	18-1/16 (458.8)
B	6-13/32 (162.7)	8-1/4 (209.6)	10-1/8 (257.2)	11-31/32 (304)	14-1/32 (356.4)	15-7/8 (403.2)	17-3/4 (450.8)	19-19/32 (497.7)
C	—				—			
Conduit Knockout Size	—				—			
Pipe Tap Size	3/4 (19.1)				1 (25.4)			
Approximate Shipping Wt. [lbs (kg)]	2-3/4 (1.3)	3-3/4 (1.7)	4-3/4 (2.2)	5-3/4 (2.6)	6-3/4 (3.1)	7-3/4 (3.5)	8-3/4 (4)	9-3/4 (4.4)

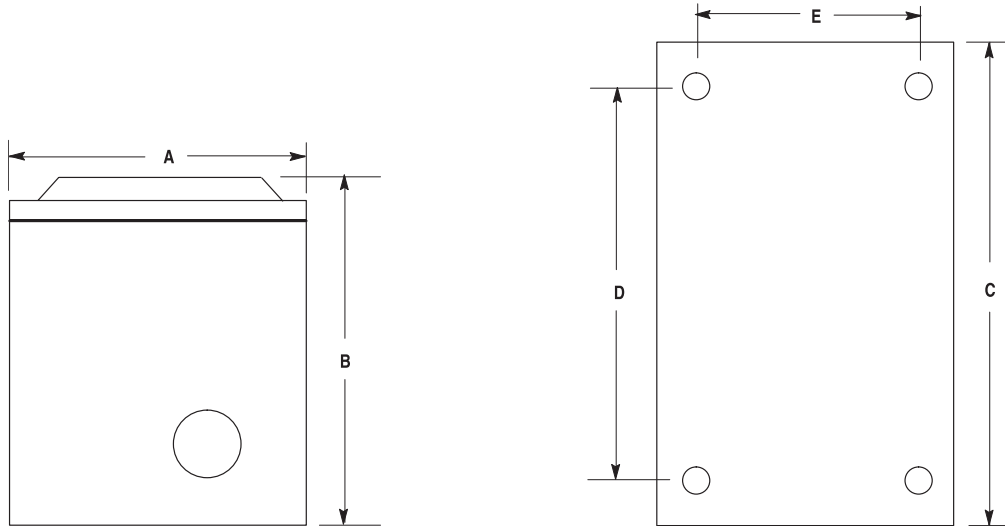
Dimension	Type 4/4X/13 Rosite					
	Number of Units					
	1	2	3	4	5	6
A	4-1/2 (114.3)	4-1/2 (114.3)	6-1/4 (158.8)	8 (203.2)	12-1/8 (308)	12-1/8 (308)
B	7-1/32 (178.6)	7-1/32 (178.6)	8-23/32 (221.5)	10-21/32 (270.7)	14-7/8 (377.8)	14-7/8 (377.8)
C	5-7/8 (149.2)	5-7/8 (149.2)	7-9/16 (192)	9-1/2 (241.8)	13-1/2 (342.9)	13-1/2 (342.9)
Conduit Knockout Size	—			—		
Pipe Tap Size	3/4 (19.1)			1 (25.4)		
Approximate Shipping Wt. [lbs (kg)]	2 (0.9)	2 (0.9)	2-1/2 (1.1)	3 (1.4)	4 (1.8)	4 (1.8)

# 30.5 mm Push Buttons

## Approximate Dimensions

Dimensions in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

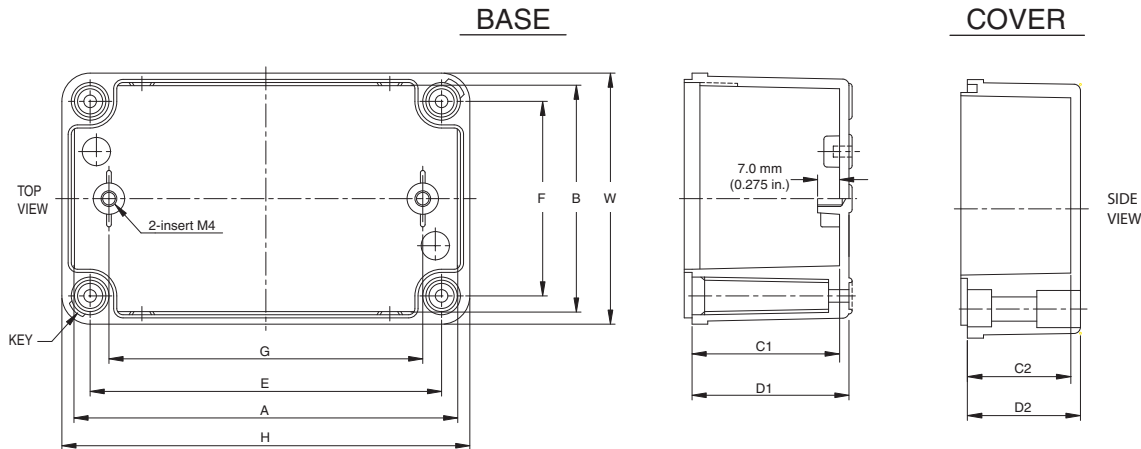
Enclosures (Bul. 800H Only), Continued



Dimension	Fiberglass Type 4/4X/12/13		
	Number of Units		
	1	2	3
A x B x C	4-1/2 x 5-3/16 x 6 (114.3 x 131.8 x 152.4)	4-1/2 x 5-3/16 x 8 (114.3 x 131.8 x 203.2)	6-1/2 x 5-7/16 x 8 (165.1 x 138.1 x 203.2)
D x E	4-3/4 x 2 (120.7 x 50.8)	6-3/4 x 2 (171.5 x 50.8)	6-3/4 x 4 (171.5 x 101.6)
Conduit Knockout Size	3/4 (19.1)	1 (25.4)	1 (25.4)
Approximate Shipping Wt. [lb (kg)]	2 (0.9)	1/4 (1.0)	3 (1.4)

Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

**Enclosures (Bul. 800H Only), Continued**

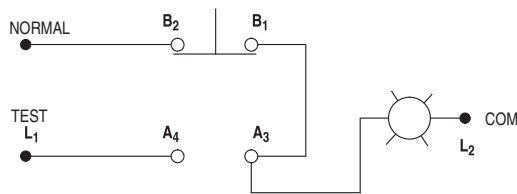


Thermoplastic Polyester Type 4/4X

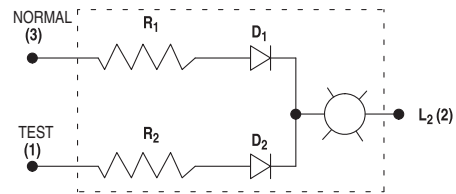
Cat. No.	Overall Dimension				Inside Dimension				Enclosure Mounting Dimension		Mounting Plate Mounting Dim.
	H	W	D1	D2	A	B	C1	C2	E	F	
800H-1HZ4	110 (4.33)	80 (3.15)	50 (1.97)	20 (0.79)	104 (4.09)	74 (2.91)	46.5 (1.83)	16.5 (0.65)	92 (3.62)	62 (2.44)	80 (3.15)
800H-2HZ4	130 (5.12)	80 (3.15)	50 (1.97)	35 (1.38)	120 (4.72)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	112 (4.41)	62 (2.44)	100 (3.94)
800H-3HZ4	180 (7.09)	80 (3.15)	50 (1.97)	35 (1.38)	170 (6.69)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	162 (6.38)	62 (2.44)	150 (5.91)
800H-4HZ4	250 (9.84)	80 (3.15)	50 (1.97)	35 (1.38)	240 (9.45)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	232 (9.13)	62 (2.44)	220 (8.66)

**Typical Pilot Light Wiring Diagrams**

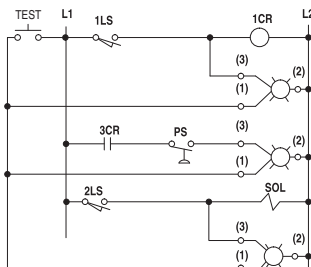
See applicable codes and laws



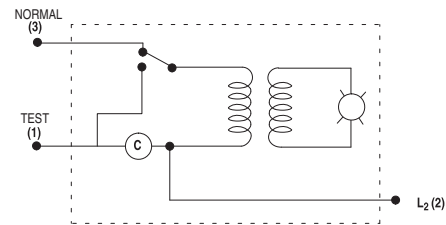
**Push-to-Test Pilot Light Device Schematic**



**Dual Input Diode Pilot Light Device Schematic**



**Dual Input Pilot Light Typical Application Wiring Diagram**



**Dual Input Pilot Light Transformer Type Device Schematic**