

# 30 mm Push Button Specifications

Bulletin Numbers 800T and 800H

Topic	Page
800T/H Specifications	2
800T/H DeviceNet Stations	4
800T/H Trigger Action E-stops	5
800T/H Momentary Contact Push Buttons	7
800T/H Selector Switch	10
800T/H Pilot Lights	18
800T/H Push-Pull and Twist-to-release Devices	19
800T Cluster Pilot Lights	23
800T Toggle Switches	24
800T Selector Push Button	25
800H Momentary Contact Flip Lever Devices	26
800T/H Protective Boot Application Information	27
800T/H Approximate Dimensions	28
800T/H Typical Pilot Light Wiring Diagrams	40
800H Push Button Enclosures	41

## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://www.ab.com">http://www.ab.com</a>	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.



Pilot Light Devices



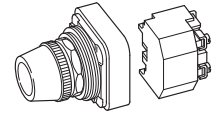
Transformer Type Pilot Light  
Cat. No. 800T-P16R



Push-to-Test Pilot Light  
Cat. No. 800T-PT16R

800 T - P T 16 G AR  
a b c d e f g h

(Push-to-Test)



**a**

Protection Rating	
Code	Description
T	Metal, Type 4/13
H	Plastic, Type 4/4X/13

**b**

Finger-Safe Guards	
Code	Description
Blank	No guards
C	Guards on terminals

**c**

Power Module Type		
800T Type 4/13	Description	800H Type 4/4X/13
Code		Code
P	Transformer (or dual input)	PR
Q	Full voltage/Universal	QR

**d**

Lamp Test Options	
Code	Description
Blank	No test option ▽
T	Push-to-test
D	Dual input — diode ▲
DT	Dual input — transformer relay ♣

**Note:** Push-to-test supplied with factory jumpered contact block.

**e**

Illumination Options	
Code	Description
Blank	Incandescent
H	LED ♣

**f**

Voltage	
Transformer	
Code	Description
16	120V AC 50/60 Hz
26	240V AC 50/60 Hz
46	480V AC 50/60 Hz
56	600V AC 50/60 Hz
Full Voltage — Incandescent	
12	12V AC/DC
24	24V AC/DC
48	48V AC/DC
10	120V AC/DC
20	240V AC/DC
Universal — LED	
2	12...130V AC/DC
Dual Input	
16	120V AC
24	24V AC/DC (Dual input diode only)

**g**

Lens Color		
Code	Color	Glass Code #
Blank	No lens	Blank
A	Amber	D
B	Blue	E
C	Clear	F
G	Green	H
R	Red	J
W	White	K

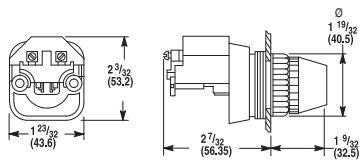
**h**

Contact Blocks (Push-to-test units only)	
Code	Description
Standard	
Blank	1 N.O. - 1 N.C.
PenTUFF (Low Voltage)	
AV	1 N.O. - 1 N.C.
Class 1, Div. 2	
Logic Reed	
AR	1 N.O. - 1 N.C.
Sealed Switch	
AP	1 N.O. - 1 N.C.
Stackable Sealed Switch	
AY	1 N.O. - 1 N.C.

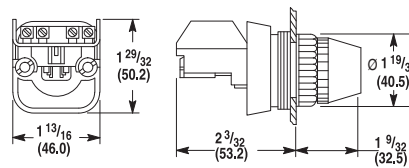
- ▽ Non-push-to-test pilot lights using the universal LED option cannot be ordered as Bul. 800HC or 800TC. The terminals are finger-safe as standard.
- ▲ Diode type dual input provides circuit isolation via opposing diodes. Not recommended for use with solid-state outputs.
- ♣ Dual input devices (diode or transformer type) cannot be ordered as Bul. 800HC or 800TC. Finger-safe terminal guards are not available.
- ♣ LED illumination option is not available with diode type dual input.
- # Glass lens available on 800T pilot lights only. Not available on push-to-test units.

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

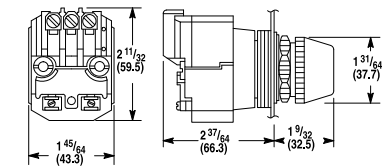
**Push-to-Test Pilot Light and Illuminated Devices (Bul. 800H Only)**



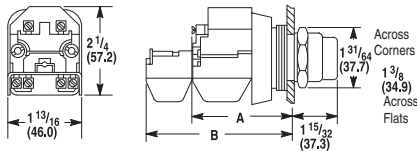
**Transformer Type Pilot Light (Incandescent and LED)**  
Shipping Weight. 12 oz (0.34 kg)



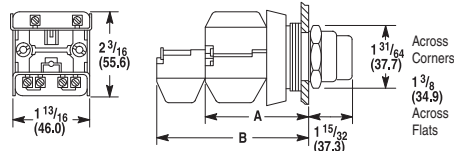
**Full Voltage and Dual Input Diode Type Pilot Light (Incandescent, Neon, LED)**  
Shipping Weight. 5 oz (0.14 kg)



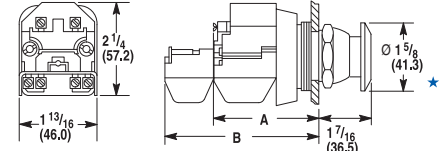
**Dual Input Transformer Type Pilot Light**  
Shipping Weight. 14 oz (0.40 kg)



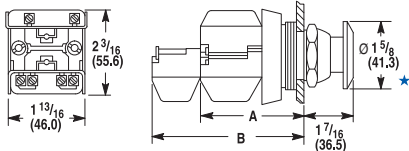
**Push-to-Test Pilot Light and Illuminated Push Button (Transformer Type: Incandescent, LED)**



**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).