



## Description

Bulletin 802T limit switches are ideal for applications in which heavy duty pilot ratings, small size, a high degree of versatility and a rugged NEMA Type 4, 13 and 6P<sup>1</sup> construction are desirable. An important factor in the automation of industry, these limit switches are being applied extensively on conveyor systems, transfer machines, automatic turret lathes, milling and boring machines, radial drills, and many other types of modern, high speed production equipment.

A wide variety of operating heads and operating levers are available. Operating heads can be mounted in four positions, 90° apart.

## Features

- Front mount for simplified mounting
- Plug-in style for ease of wiring
- Side rotary, wobble stick, cat whisker, adjustable top and top or side push styles with and without rollers
- Quick mode change to clockwise and counterclockwise operation only
- Castle lock head design for high durability

<sup>1</sup> Plug-in lever type except low-torque models.

<sup>2</sup> Temperature range below 0 °C (+32 °F) is based on the absence of freezing moisture or water. See page 5-53 for low temperature options.

<sup>3</sup> Low operating torque-spring return ratings only.

## Specifications

Enclosure Rating	NEMA 4, 13, 6P <sup>1</sup> and IP67
Pollution Degree	3
Certifications	UL Listed, CSA Certified CE Marked for applicable directives
Ambient Temperature [C (F)] <sup>2</sup>	-18...+110° (0...+230°) Exception: Wobble stick and cat whisker devices are rated from -18...+54° (0...+130°)

### AC Contact Rating (Maximum per Pole, 50 or 60 Hz, 2 Circuits Same Polarity)

NEMA Rating Designation	Max Voltage	A		Continuous Carrying Current	VA	
		Make	Break		Make	Break
A600 AC-15	120	60	6.00	10	7200	720
	240	30	3.00	10	7200	720
	480	15	1.50	10	7200	720
	600	12	1.20	10	7200	720
B600 <sup>3</sup> AC-15	120	30	3.00	5	3600	360
	240	15	1.50	5	3600	360
	480	7.5	0.75	5	3600	360
	600	6	0.60	5	3600	360

### AC Contact Rating (Maximum per Pole, 50 or 60 Hz, 4 Circuits Same Polarity)

NEMA Rating Designation	Max Voltage	A		Continuous Carrying Current	VA	
		Make	Break		Make	Break
A300	120	60	6.00	10	7200	720
	240	30	3.00	10	7200	720

### DC Contact Rating (Maximum per Pole)

Circuits	Voltage Range	Current Rating
2	115-125	0.4 A
	230-250	0.2 A
	550-600	0.1 A
4	115-125	0.4 A
	230-250	0.2 A

## Plug-in Style

Lever Type • Spring Return page 5-42  
Standard and Low Operating Torque Models

Lever Type • Maintained . . . page 5-44  
Contact and Neutral Position

Push Type • Spring Return . . . page 5-45

Wobble Stick and Cat . . . . . page 5-47  
Whisker • Spring Return

Modifications and . . . . . page 5-53  
Accessories

## 802T Operating Levers

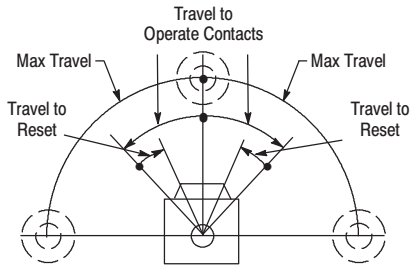
Lever Selection . . . . . page 5-130

## Limit Switches

# 802T Lever Type • Spring Return

## Plug-in Style Oiltight Switches

### Range of Operation



Switch Without Lever



Switch Without Lever and Base

### Product Selection—Standard and Low Operating Torque Models

No. of Circuits	Lever Movement vs. Contact Operation		Torque to Operate (Max.)	Travel to Operate Contacts (Max.)	Max Travel	Travel to Reset Contacts (Max.)	Cat. No.		
							Switch w/o Lever	Switch w/o Lever and Base	
2	Clockwise or Counterclockwise		0.29 N•m (2.6 lb•in) Nominal	13° 18°	90°	7°	802T-AP 802T-A5P ①	802T-AP1 802T-A5P1 ①	
			0.56 N•m (5 lb•in)	9°		2.5° Nominal	802T-FP	802T-FP1	
		Clockwise		0.29 N•m (2.6 lb•in)		13° 18°	7°	802T-A1P 802T-A3P ①	802T-A1P1 802T-A3P1 ①
				0.56 N•m (5 lb•in)		9°	3.5°	802T-H1P	802T-H1P1
		Counterclockwise		0.29 N•m (2.6 lb•in)		13° 18°	7°	802T-A2P 802T-A4P ①	802T-A2P1 802T-A4P1 ①
				0.56 N•m (5 lb•in)		9°	3.5°	802T-H2P	802T-H2P1
	Clockwise or Counterclockwise		0.16 N•m (1.5 lb•in)	13°	90°	7°	802T-ALP ②	802T-ALP1 ②	
							802T-AL1P ②	802T-AL1P1 ②	
							802T-AL2P ②	802T-AL2P1 ②	

① Fluorinated elastomer shaft seal is supplied with these devices.

② Low operating torque model.

**Approximate Dimensions—See page 5-43.**

**Levers—See page 5-130 for a complete listing of operating levers.**

**Modifications and Accessories—See page 5-53.**