



Limit Switches Specifications

Bulletin Numbers 801, 802DN, 802G, 802K, 802M, 802MC, 802T, 802X, 802XR, 802B, and 440P

Topic	Page
Summary of Changes	2
Additional Resources	2
Limit Switch Overview	3
Bulletin 801 General-purpose Limit Switches	5
Bulletin 802G Gravity Return Limit Switches	9
Bulletin 802M/MC Prewired Factory Sealed Switches	11
Bulletin 802R Sealed Contact Limit Switches	29
Bulletin 802T Oiltight Limit Switches	35
Bulletin 802T Safety Limit Switches	67
Bulletin 802X Watertight or Hazardous Location Limit Switches	71
Bulletin 802XR Sealed Contact Hazardous Location Limit Switches	79
Bulletin 802B Compact, Precision, and Small Precision Small Metal Body Limit Switches	85
Bulletin 440P Safety Limit Switches	107
Bulletin 802K Metal General Purpose Limit Switches	125
Operating Levers	129



802T Plug-in Style NEMA Oiltight Limit Switches

Specifications

Attribute	Value
Certifications	UL Listed, CSA Certified, and CE Marked for applicable directives
Enclosure type rating	NEMA 4, 13, 6P, and IP67
Pollution degree	3
Ambient temperature ⁽¹⁾	-18...+110 °C (0...230 °F)

(1) Wobble stick and cat whisker devices are rated from -18...+54 °C (0...130 °F)



802R-AF

Table 20 - AC Contact Rating (Max per Pole, 50 or 60 Hz, Two 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			
	480	15	1.50			
	600	12	1.20			
B600 AC-15	120	30	3	5	3600	360
	240	15	1.50			
	480	7.5	0.75			
	600	6	0.60			

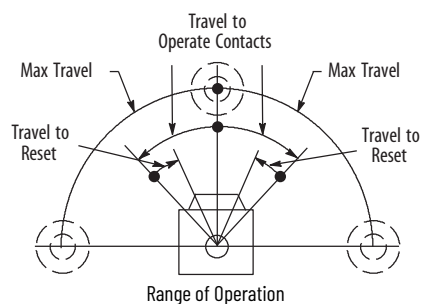
Table 21 - AC Contact Rating (Max per Pole, 50 or 60 Hz, Four Circuits Same Polarity)

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			

Table 22 - DC Contact Rating (Max per Pole)

Circuits	Voltage Range	Current Range
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

Lever Type – Spring Return

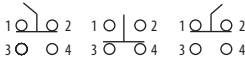
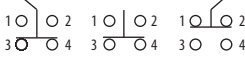
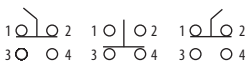
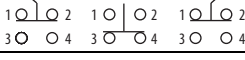
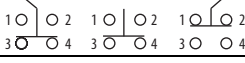
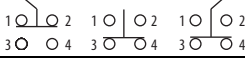
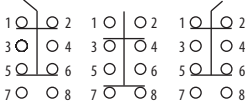
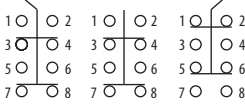
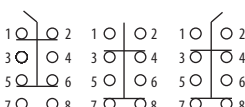


Switch without Lever



Switch without Lever and Base

Product Selection

Number of Circuits	Lever Movement vs. Contact Operation		Torque/Force to Operate, Max	Travel to Operate Contacts, Max	Max Travel	Travel to Reset Contacts, Max	Cat. No.		
							Switch without Lever	Switch without Lever and Base	
2	Clockwise or counterclockwise		0.29 N•m (2.6 lb•in) Nominal	13° 18°	90°	7°	802T-AP	802T-AP1	
				5° Nominal		2.5° Nominal	802T-A5P ⁽¹⁾	802T-A5P1 ⁽¹⁾	
		0.56 N•m (5 lb•in)	9°	3.5°		802T-FP	802T-FP1		
						802T-HP	802T-HP1		
	Clockwise		0.29 N•m (2.6 lb•in)	13° 18°		7°	802T-A1P	802T-A1P1	
			0.56 N•m (5 lb•in)	9°		3.5°	802T-A3P ⁽¹⁾	802T-A3P1 ⁽¹⁾	
	Counterclockwise		0.29 N•m (2.6 lb•in)	13° 18°		7°	802T-A2P	802T-A2P1	
			0.56 N•m (5 lb•in)	9°		3.5°	802T-A4P ⁽¹⁾	802T-A4P1 ⁽¹⁾	
	Clockwise or counterclockwise		0.16 N•m (1.5 lb•in)	13°		7°	802T-ALP ⁽²⁾	802T-ALP1 ⁽²⁾	
	Clockwise						802T-AL1P ⁽²⁾	802T-AL1P1 ⁽²⁾	
	Counterclockwise						802T-AL2P ⁽²⁾	802T-AL2P1 ⁽²⁾	
	4	Clockwise or counterclockwise		0.45 N•m (4 lb•in)		13°	7°	802T-ATP	802T-ATP1
				0.79 N•m (7 lb•in)		9°	3.5°	802T-HTP	802T-HTP1
		Clockwise		0.45 N•m (4 lb•in)		13°	7°	802T-A1TP	802T-A1TP1
0.79 N•m (7 lb•in)				9°	3.5°	802T-H1TP	802T-H1TP1		
Counterclockwise			0.45 N•m (4 lb•in)	13°	7°	802T-A2TP	802T-A2TP1		
			0.79 N•m (7 lb•in)	9°	3.5°	802T-H2TP	802T-H2TP1		

(1) Fluorinated elastomer shaft seal is supplied with these devices.

(2) Low operating torque model.