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Joysticks

Two-Position Joystick Operators

The device mounts in the standard 30.5 mm mounting hole. Allow sufficient panel space for lever movement.

The maximum travel of the knob operator (full up to full down) is 2.2 in (24°) momentary, 2.5 in (30°) maintained, but ample space for lever operation must be allowed. These operators are field convertible from momentary to maintained operation or vice versa.

The use of NC contacts is preferred because they provide positive drive contact opening and a direct relationship between lever movement and affected terminal, i.e., up movement affects the top terminals.

Application Caution

Joystick operators are not recommended on certain DC applications above 24 Vdc which may involve lightly engaging the contacts (teasing) to achieve speed control, positioning, jogging, etc. Excessive arcing and deterioration of the contacts will occur.

Two-Position Joystick Operator

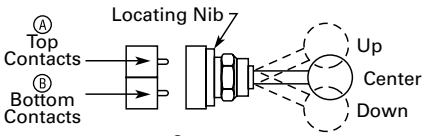
Two-Position Joystick Operators—UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

Contact Block Limitations	Two-Position Operator Only—AC Applications Only Description ①	Catalog Number
Momentary Mode 4NC contact blocks max. 3NO contact blocks max.	Momentary up and down	**10250T452**
	Maintained up—momentary down	**10250T4521**
	Maintained down—momentary up	**10250T4522**
Maintained Mode 2 contact blocks max.	Maintained up and down	**10250T4525**

Contact Block Operation and Selection

Handle Position ② Up	Center	Down	Contact Block Type ④	Mounting Location ②③ Top A	Bottom B	Catalog Number
X	0	0	1NC			**10250T51**
0	0	X	1NC			**10250T51**
0	X	0	2LONC (Series)			**10250T45**
X	0	0	1NC			**10250T3**
0	0	X	1NC			
X	X	0	1LONC			**10250T45**
0	X	X	1LONC			
X	0	0	1NC			**10250T44** ⑤
0	0	X	1NO			
0	0	X	1NC			
X	0	0	1NO			

A and B Mounting Location



Up
NC Contact at Top Is Closed, NO at Bottom Is Closed

Center
All NC and NO Contacts Are Open (1/2 Way), Late Opening NC Is Closed

Down
NC Contact at Bottom Is Closed, NO at Top Is Closed

Notes

① Field convertible momentary to maintained or vice versa. To expedite shipment of maintained types, order momentary operator 10250T452 which is a stocked device.
② Bolded circuit corresponds to "X-0" circuit selection. X = closed circuit, 0 = open circuit.
③ See above for "A" and "B" mounting location.
④ NO = normally open, NC = normally closed, LONC = late opening normally closed.
⑤ Four circuits in single block depth—rated 300V max.