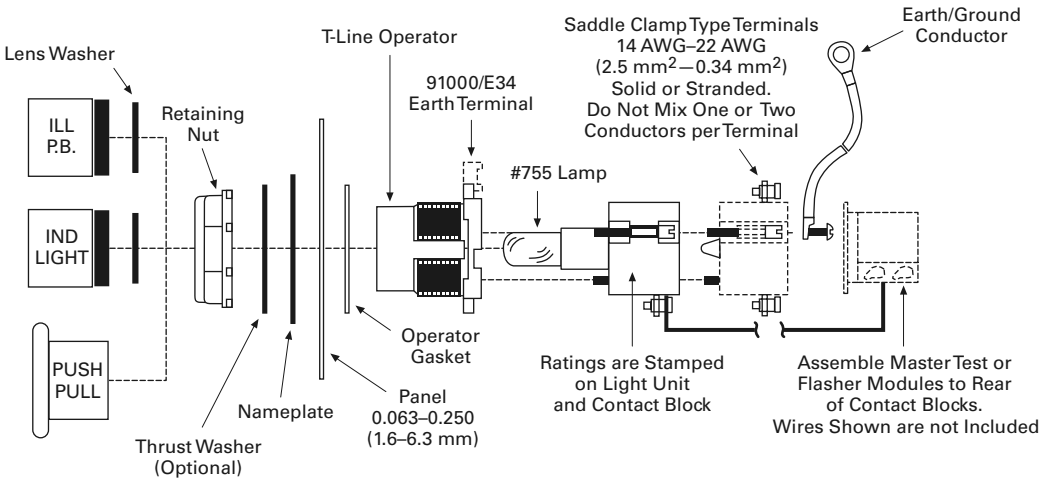
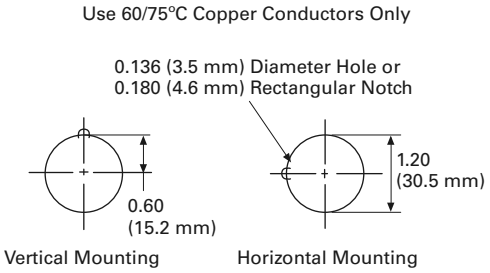
Instructional Leaflet **IL04707001E** Effective June 2011

10250T contact block assembly





- Underwriters Laboratories Listed
- For use on a flat surface of Type 1, 2, 3, 3R, 3S ①, 4, 4X, 12, and 13 enclosures
- IP65

① For indicating lights without moveable operations.

General

1. Drill mounting hole for vertical or horizontal mounting per one of the figures above.
2. Ensure sealing gasket is in place on the operator. Align locating nib of operator with notch in panel and insert operator through mounting hole. Exception: See special instruction publication 20437 for placement of sealing gasket when using 10250T/91000T protective boots.
3. Place legend plate and mounting nut over operator. Tighten mounting nut. If applicable, assemble lenses, mushroom buttons, etc., to operator. Tighten securely (5 ft-lbs) (6.8 Nm).
4. Torque terminals to 7 in-lbs (0.8 Nm).

For ease of assembly, Eaton recommends the following tools:

- 10250T/91000TA95 for 10250T/91000T octagonal nuts, E29, and E30 lines
- E22CW for 10250T/91000T octagonal nuts, E22, E34, and E30 lines

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Push–pull operators

Application guide

To assist in the selection of contact blocks, the diagram on page 1 shows pictorially by symbols "A" and "B" locations of contact circuits after assembly of contact blocks to the operator. **Table 1** and **Table 2** show the effect of the push and pull operations on either NO or NC contacts.

A maximum of two contact blocks may be used with each operator. Maximum torque of stacking screws is 9 in-lbs. Adding more than two blocks may cause this switch to malfunction. Single circuit contact must be mounted under circuit "A". Special function contact blocks are not available for use with the three-position push–pull operator.

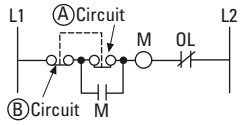
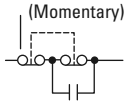
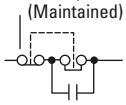
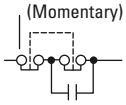
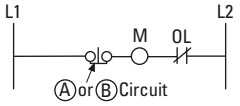
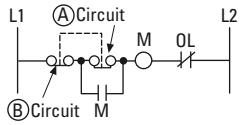
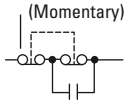
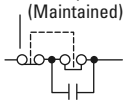
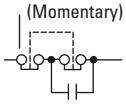
Note: Buttons and lenses in various colors are ordered and packaged separately. This pushbutton unit is oiltight when the adapter gasket and button or lens gasket are securely tightened.

Table 1. Push–Pull Operator Types

		Operator Mode and Contact Circuit					
		Pulled		Intermediate		Pushed	
Operator Type	Contact Block Circuit	Circuits A	B	Circuits A	B	Circuits A	B
Momentary push and pull and momentary pull, maintained push	2NC	X	X	O	X	O	O
	1NO	O		O		X	
Maintained push and pull (Two-positions)	1NC	X or	X	No		O or	O
	2NC	X	X	intermediate		O	O
	1NO	O or	O	position		O	O
	2NO	O	O			X	X
Momentary push and pull (Three-positions)	1NO–1NC	O	X	O	O	X	O

Note: X = contacts closed; O = contacts open

Table 2. Push–Pull Wire Position Operation

Control	Line Diagram	Operator	Circuits	Operator Mode		
Three-wire, three-position, momentary		Momentary push and pull	2NC contact blocks			
Two-wire, two-position, maintained		Maintained push and pull	1NC contact blocks		No intermediate position	
Three-wire momentary pull, maintained push		Maintained push and maintained ready, momentary pull to start	2NC contact blocks			

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Printed in USA
Publication No. IL04707001E / Z11206
June 2011

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