

Instructions

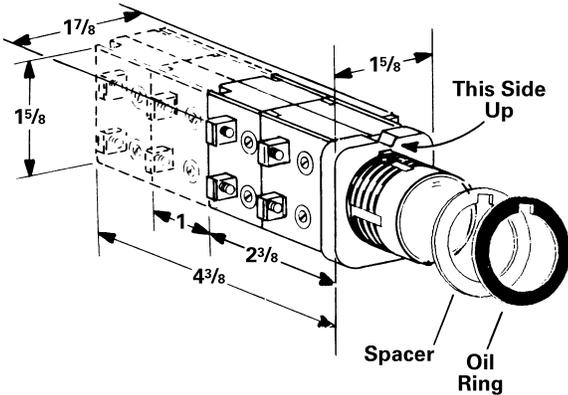
52-HPA8

April, 2001
Supersedes Issue of
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When installed as indicated, these operators are suitable for use in Type 1, 3, 3R, 4, 12, or 13 enclosures.

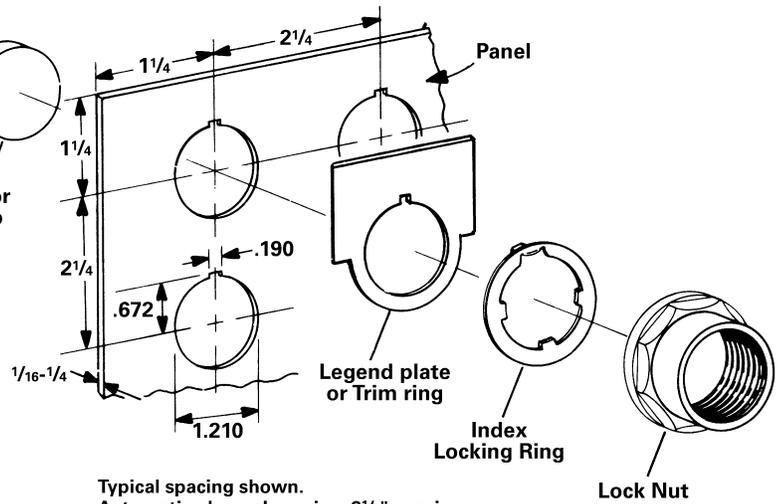
Black Max (52PX) suitable for Type 4X enclosures.

Push Button & Accessories
Class 52
Cat No 52PA8, 52 PB9, 52ABT,
52AABA, 52ABW, 52PX



Notes for BlackMax 4X devices:

- * The trim ring is not needed or supplied.
- * Only use the index locking ring when using a metal name plate. Discard when not using a nameplate or when using a plastic name plate.
- * Use the locknut wrench, 52MAWB.



Typical spacing shown.
Automotive legend requires 2 1/2" spacing.
Some accessories also require additional spacing.

	WARNING
	Hazardous voltage. Can cause death, serious personal injury, or property damage.
	To avoid electrical shock, turn off electrical power to controls before performing installation maintenance.

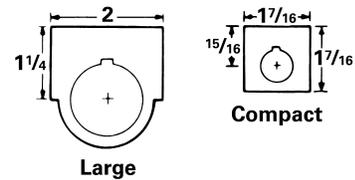
INSTALLATION

Units are assembled as shown.

- 1.* Assemble spacer.
2. Assemble oil ring.
3. Mount unit on panel as shown in illustration.
- 4.* Position trim ring or legend plate (trim ring is discarded when legend plate is used).
5. Position index locking ring on unit as shown in illustration.
6. Assemble and tighten lock nut.
7. Position and press on color cap.

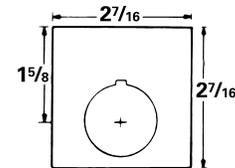
***Spacer and trim ring not used on BlackMax 4X devices.**

LEGEND PLATES



Large

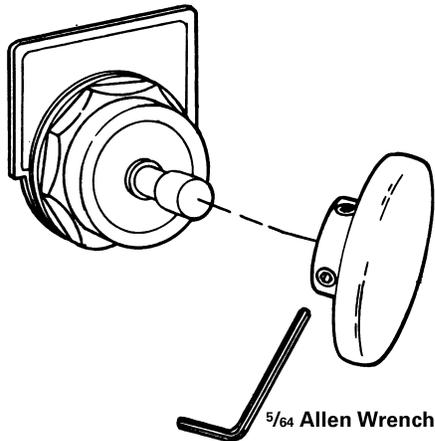
Compact



Automotive

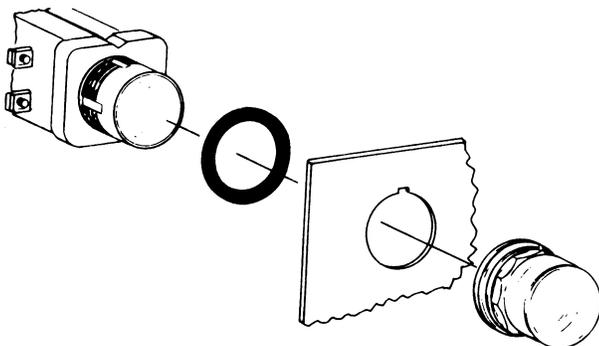
For Engineering Reference Only - Rev. K

Mushroom Button Operator

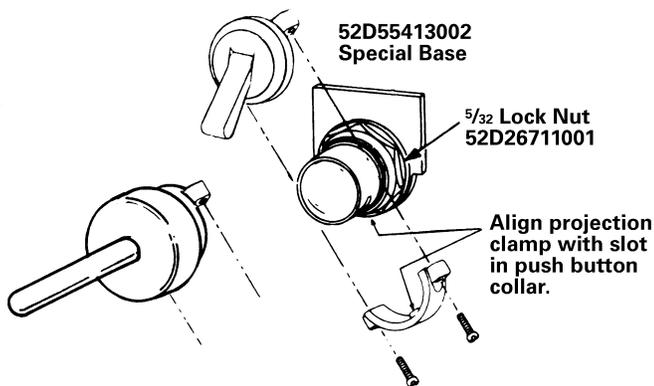


1. Loosen the two set screws, slip on shaft and tighten set screws to a maximum of 8 in. lbs. torque with wrench furnished.

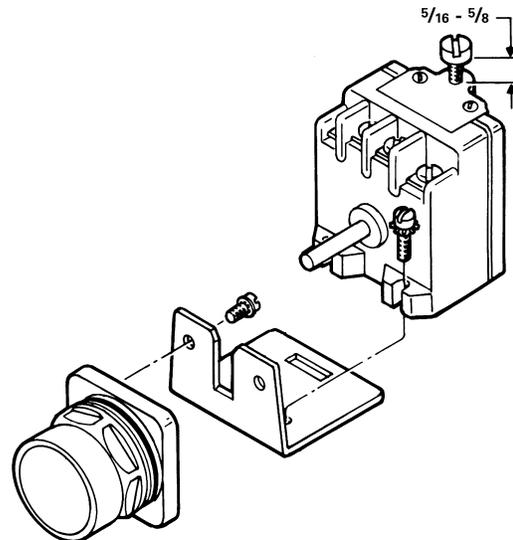
Protective Boot 52AABA



Wobble Stick & Lever Operators

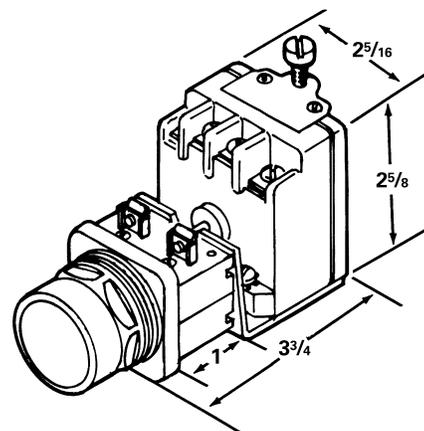


**Pneumatic Timer
 Double Break Contacts 1 NO & 1 NC**



1. Loosen the two set screws, slip on shaft and tighten set screws with wrench furnished.
2. Fasten the operator to support plate.
3. Fasten timer to support plate.
4. Two contact blocks (momentary instantaneous operation may be added, see below. Contact blocks must be added together first.

Timer Adjustment



Timing is adjustable from 0.2 seconds to three minutes by turning the time adjustment screw clockwise to increase and counterclockwise to decrease time.

These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency to be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Siemens-Furnas Controls sales office.

The contents of this instruction manual shall not become part of or modify any prior or existing agreement, commitment or relationship. The sales contract contains the entire obligation of Siemens Energy & Automation, Inc. The warranty contained in the contract between the parties is the sole warranty of Siemens Energy & Automation, Inc. Any statements contained herein do not create new warranties or modify the existing warranty.