

# Contender™ Series Factory Sealed Front Operated Tumbler Switches

## Explosionproof, Dust-Ignitionproof

Malleable Iron Body and Cover. Furnished with Internal Ground.

### NEC/CEC:

Class I, Division 1, Groups C, D  
Class I, Division 2, Group B\*, C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 3, 7CD, 9EFG

### Applications

- Designed to prevent arcing of enclosed switches in ignitable atmospheres during connect and disconnect operation of lighting and light power loads.
- For use in classified areas where ignitable vapors, gases or highly combustible dusts are present.
- For installation in:
  - Chemical plants
  - Petrochemical plants
  - Refineries
  - Other process industries

### Features

- Enclosures have external mounting lugs for ease of mounting.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Enclosures furnished with internal ground screw.
- 20 Amp and 30 Amp units available for use with 120-277 Vac.
- Smooth ground mating surfaces assure flame-tight joint between cover and mounting enclosure.
- Stainless steel hex head cap screws for attaching cover to mounting enclosure.
- Choice of front-operating or side rocker arm handle—each may be locked in ON or OFF position.
- Each handle has close-tolerance threaded stainless steel shaft to meet Explosionproof requirements.
- Enclosures furnished with internal ground screw.

### Options

- 1- or 2-gang copperfree (4/10 of 1% max.) aluminum bodies and covers available. Add suffix – SA.
- NPBRKT nameplate mounting bracket to make circuit description/identification easy.
  - Pre-drilled holes in bottom of bracket allow direct mounting to control stations with existing cover bolts.
  - Pre-drilled holes in middle of bracket allow mounting of customer's circuit identification nameplate; epoxy glue may also be used for mounting (phenolic nameplate not included).
  - Bracket eliminates costly field installation of drilling and tapping to accommodate circuit identification nameplate.
  - Brackets fit side-by-side on 2-, 3- and 4-gang boxes and 3-devices.

### Standard Materials

- Body and cover: malleable iron
- Handle: nylon 6/6
- Optional nameplate mounting bracket: corrosion resistant stainless steel

### Standard Finishes

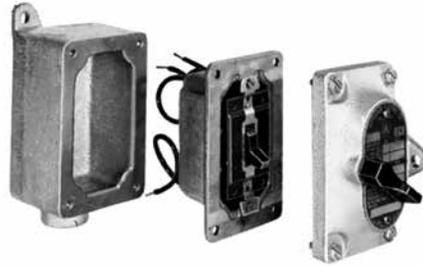
- Tumbler switches: triple-coat—(1) zinc electroplate, (2) chromate, and (3) epoxy powder coat

### NEC/CEC Certifications and Compliances

- UL Standards: UL 894, UL 1203
- CSA Standards: C22.2 No. 14
- cULus Listed: E10449



### Illustrated Features



Separate sealing chamber and switch construction.  
Used on 20 Amp 4-way and all 30 Amp models.



Explosionproof Labyrinth Switch  
Used on all 20 Amp models excluding 4-way.

♦ Indicates items which are suitable for Class I, Division 2, Group B. See product selection pages for suitable items.

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	Hub Size (Inches)	Switch	Dead-End	Catalog Number ①	Feed-Thru
<b>1-Gang</b>					
<b>20 Amp — 120-277 Vac ②</b>					
	1/2	1-Pole	EDS1129 ♦	EDSC1129 ♦	
	1/2	2-Pole	EDS118 ♦	EDSC118 ♦	
	1/2	3-Way	EDS1130 ♦	EDSC1130 ♦	
	1/2	4-Way	EDS1140	EDSC1140	
<b>Dead-End</b>	3/4	1-Pole	EDS2129 ♦	EDSC2129 ♦	
	3/4	2-Pole	EDS218 ♦	EDSC218 ♦	
	3/4	3-Way	EDS2130 ♦	EDSC2130 ♦	
	3/4	4-Way	EDS2140	EDSC2140	
	1	1-Pole	EDS3129 ♦	EDSC3129 ♦	
	1	2-Pole	EDS318 ♦	EDSC318 ♦	
	1	3-Way	EDS3130 ♦	EDSC3130 ♦	
	1	4-Way	EDS3140	EDSC3140	
<b>30 Amp — 120-277 Vac ③</b>					
<b>Feed-Thru</b>	1	1-Pole	EDS3591	EDSC3591	
	1	2-Pole	EDS3593	EDSC3593	
	1	3-Way	EDS3594	EDSC3594	
<b>2-Gang</b>					
<b>20 Amp — 120-277 Vac ②</b>					
	1/2	1-Pole	EDS1229 ♦	EDSC1229 ♦	
	1/2	2-Pole	EDS128 ♦	EDSC128 ♦	
	1/2	3-Way	EDS1230 ♦	EDSC1230 ♦	
	1/2	4-Way	EDS1240	EDSC1240	
<b>Dead-End</b>	3/4	1-Pole	EDS2229 ♦	EDSC2229 ♦	
	3/4	2-Pole	EDS228 ♦	EDSC228 ♦	
	3/4	3-Way	EDS2230 ♦	EDSC2230 ♦	
	3/4	4-Way	EDS2240	EDSC2240	
	1	1-Pole	EDS3229 ♦	EDSC3229 ♦	
	1	2-Pole	EDS328 ♦	EDSC328 ♦	
	1	3-Way	EDS3230 ♦	EDSC3230 ♦	
	1	4-Way	EDS3240	EDSC3240	
<b>Feed-Thru</b>					

① For Aluminum body and cover, add suffix —SA.

② 20 Amp Switches 1 HP at 120 Vac and 2 HP at 240 Vac.

③ 30 Amp Switches 2 HP at 120 Vac or 240 Vac.

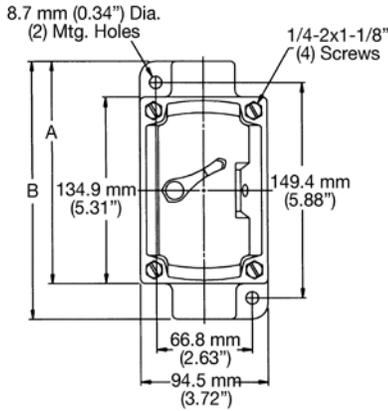
♦ Contains Factory Sealed Switch; no sealing chamber. Suitable for Class I, Division 2, Group B.

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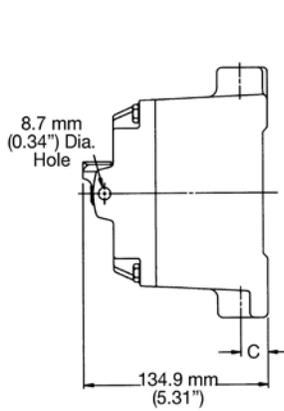
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## Dimensions in Millimeters (Inches)

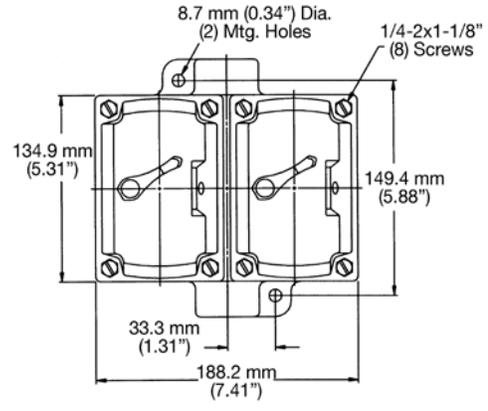
### Front Operated Tumbler Switches



Front — 1-Gang



Side



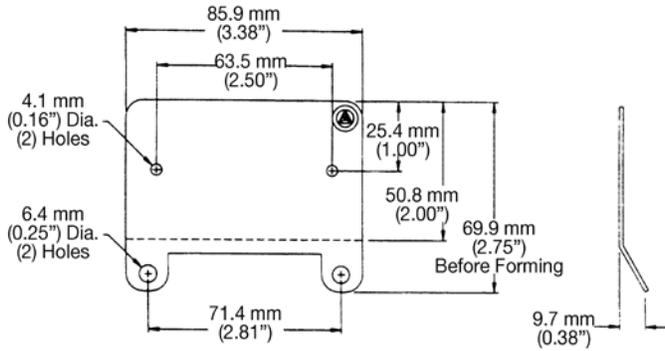
Front — 2-Gang

### Dimensions in Millimeters (Inches)

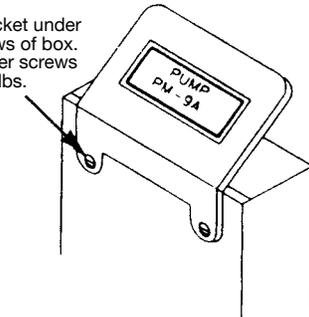
Hub Size (Inches)	A	B	C
1/2 and 3/4	153.9 (6.06)	173.0 (6.81)	19.1 (0.75)
1	156.7 (6.17)	178.6 (7.03)	25.4 (1.00)

## Dimensions in Millimeters (Inches)

### NPBRKT Nameplate Mounting Bracket



Secure bracket under cover screws of box. Torque cover screws to 35" - lbs.



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