Type 9441, Reversing Drum Switches

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#### Description

#### **Reversing Drum Switches**

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Type DB and DD

# **Application Description**

These drum switches are designed primarily for use with single-phase and squirrel cage, single-speed reversible motors which may be connected directly across-the-line. Typical applications would be hoists and machine tools.

### **Features**

- Compact size
- Front mounting easily installed
- Terminals front accessible slanted 45° for extra convenience
- Captive pressure clamps on terminal screws back off with screw — no prying with screwdriver necessary
- Choice of operators
  - 🗆 Large
  - Lever
  - □ Knob
- Orientation of operator independent of legend — 360° positioning in 22-1/2° increments — pointer remains oriented to legend
- Field convertible from maintained to momentary operation
- Replaceable, large volume, silver plated contacts
- Oiltight machine cavity or surface mounting types
- Modern attractive appearance

## Operation

All of the operators may be rotated 360° in 22-1/2° increments without losing the indication of the drum position. A red-lined pointer is permanently orientated to the legend markings and clearly indicates the selected drum function regardless of the selected setting for the operator. This enables the user to "offset" the operator to afford the most comfortable operating position. This is accomplished simply by loosening and retightening one screw.

## **Standards and Certifications**

- UL File No. E37316, Category NLRV
- CSA Guide No. 184-N-13.13A, Class 3211



# Wiring Diagrams

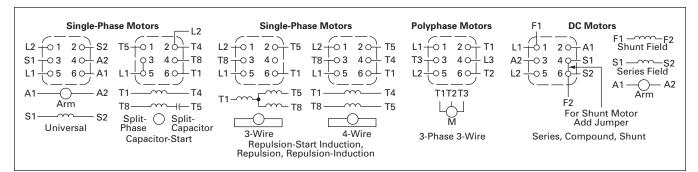


Figure 38-5. Wiring Diagrams





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#### Type 9441, Reversing Drum Switches

# **Dimensions**

#### Table 38-10. Approximate Dimensions and Shipping Weights

Size	Type of	Dimensions in Inches (mm)							
	Operator	Wide	High	Deep C	Mounting		Lever F	Weights Lbs. (kg)	
		A	В		D	E			
Surface Mour	nting	•	1	L	ł	1	1	ł	
DB1 & DB2	Lever Knob	2.50 (63.5) 2.50 (63.5)	5.88 (149.4) 5.38 (136.7)	4.38 (111.3) 3.00 (76.2)	2.00 (50.8) 2.00 (50.8)	2.25 (57.2) 2.25 (57.2)	1.88 (47.8) 1.38 (35.1)	3.0 (1.4) 3.0 (1.4)	
DD1 & DD2	Lever Knob	3.38 (85.9) 3.38 (85.9)	6.88 (174.8) 6.25 (158.8)	4.75 (120.7) 3.63 (92.2)	2.63 (66.8) 2.63 (66.8)	2.75 (69.9) 2.75 (69.9)	2.00 (50.8) 1.38 (35.1)	4.0 (1.8) 4.0 (1.8)	
Cavity Mounti	ing				·			T.	
DB1 & DB2	Lever Knob	4.00 (101.6) 4.00 (101.6)	4.75 (120.7) 4.50 (114.3)	5.00 (127.0) 4.50 (114.3)	3.50 (88.9) 3.50 (88.9)	4.00 (101.6) 4.00 (101.6)	1.88 (47.8) 1.38 (35.1)	3.0 (1.4) 3.0 (1.4)	
DD1 & DD2	Lever Knob	4.50 (114.3) 4.50 (114.3)	5.75 (146.1) 5.13 (130.3)	5.25 (133.4) 4.63 (117.6)	4.00 (101.6) 4.00 (101.6)	4.50 (114.3) 4.50 (114.3)	2.00 (50.8) 1.38 (35.1)	4.0 (1.8) 4.0 (1.8)	

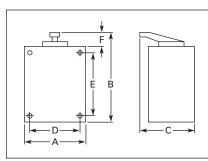


Figure 38-6. Approximate Dimensions Surface Mounting

### **Product Selection**

#### When Ordering Supply

Catalog Number

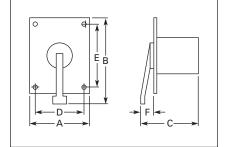


Figure 38-7. Approximate Dimensions **Cavity Mounting** 



Type DB1 Flush Mount Standard Lever

Type DB and DD Surface Mounting Standard Lever

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Flush Mount **Knob Operator** 

0

0

3.00 (76.2) Size DB1 and DB2

0

0



3.50 (88.9) Size DB1 and DB2

3.88 (98.6) Size DD1 and DD2

Type DB and DD Surface Mounting **Knob Operator** 

Maximum Horsepower						Size	Type of Operation		Surface Mounting General Purpose — NEMA 1			Flush or Cavity Mounting (Oiltight Mounting on Sizes DB and DD)		
3-Phase		Single- DC Phase					Lever Operator	Knob	Price U.S. \$	Lever Operator	Knob	Price U.S. \$		
200 – 230V	380 - 575V	115V	230V	115V	230V			Catalog Nu	Catalog Number		Catalog Number		1	
3-Pole													_	
2 2	2	1-1/2	2	1	1	DB 1	Maintained 1	9441H268	9441H269		9441H274	9441H275		
							Maintained and Momentary <sup>②</sup>	9441H271	9441H272		9441H276	9441H277		
3 5	5	1-1/2	2	1	1	DB 2	Maintained 1	9441H353	9441H354		9441H347	9441H348		
							Maintained and Momentary <sup>②</sup>	9441H356	9441H357		9441H349	9441H350		
5	7-1/2	1-1/2	3	2	3	DD 1	Maintained 1	9441H284	9441H285		9441H388	9441H287		
7-1/2	10	2	5	2	3	DD 2	Maintained 1	9441H361	9441H363		9441H362	9441H364		

<sup>①</sup> These devices are field convertible from maintained both positions to momentary both positions.

<sup>(2)</sup> These devices are field convertible from maintained FORWARD and momentary REVERSE to momentary FORWARD and maintained REVERSE.