D2 - SERIES

SPECIFICATIONS AND ORDERING INFORMATION

1" DIAMETER 0.55 AMP @ 28 VDC

The D2 Series switch is used where space is at a premium. This dual-ball side thrust index offers exceptional torque control and is available in 30°, 36°, 45°, and 60° angles. Standard designs utilize diallyl phthalate or ceramic insulation, solder lug terminals, and 30° adjustable stop indexing.



SPECIFICATIONS

ELECTRICAL

Current and Voltage Rating: Make and break resistive load 0.55 amp @ 28 VDC; 0.25 amp @ 115 VAC.
Current Carrying Capacity: 7 amps.
Dielectric Strength: 750 VAC between current carrying parts and ground.
Contact Resistance: Average initial 5 milliohms.
Insulation Resistance: Diallyl in excess of 900,000 megohms.
Glass in excess of 750,000 megohms.
Ceramic in excess of 1,000,000 megohms.
Hardware: Mounting nut and lockwasher are shipped assembled.

MECHANICAL

Materials and Finishes: All parts utilize non-corrosive materials as standard.
Clips and Rotors: Brass with silver plate as standard.
Insulation: Diallyl phthalate, glass, or ceramic.
Index: Dual-ball, side thrust design.
Index Life: 25,000 cycles minimum.
Index Torque: Switches have lowest practical torque consistent with crisp detenting and smooth, reliable operation.
Index Angles: Positive 30° standard, 36°, 45°, and 60° available.
Index Stops: Adjustable standard, fixed or continuous.
Stop Strength: 10 in. lbs. minimum.

D

STANDARD PART NUMBER

DIALLYL PHTHALATE INSULATION - ADJUSTABLE STOPS
SWITCHES - SOLDER LUG TERMINALS - 30° INDEX - SET @ 2 POS.

POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-12	1	1	D2D0112S	D2D0112N	DE
02	02-06	2	1	D2D0206S	D2D0206N	DL
02	02-12	1	2	D2D0212S	D2D0212N	DE
03	02-05	3	1	D2D0305S	D2D0305N	DO
03	02-12	1	3	D2D0312S	D2D0312N	DE
04	02-06	2	2	D2D0406S	D2D0406N	DL
06	02-05	3	2	D2D0605S	D2D0605N	DO
06	02-06	2	3	D2D0606S	D2D0606N	DL

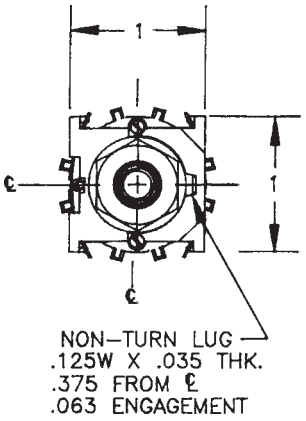
CERAMIC INSULATION - ADJUSTABLE STOPS
SWITCHES - SOLDER LUG TERMINALS - 30° INDEX - SET @ 2 POS. - 1/8 DIA. SHAFT

POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-11	1	1	D2C0111S	D2C0111N	DB
02	02-05	2	1	D2C0205S	D2C0205N	DG
02	02-11	1	2	D2C0211S	D2C0211N	DB
03	02-03	3	1	D2C0303S	D2C0303N	DN
03	02-11	1	3	D2C0311S	D2C0311N	DB
04	02-05	2	2	D2C0405S	D2C0405N	DG
06	02-05	2	3	D2C0605S	D2C0605N	DG
06	02-03	3	2	D2C0603S	D2C0603N	DN

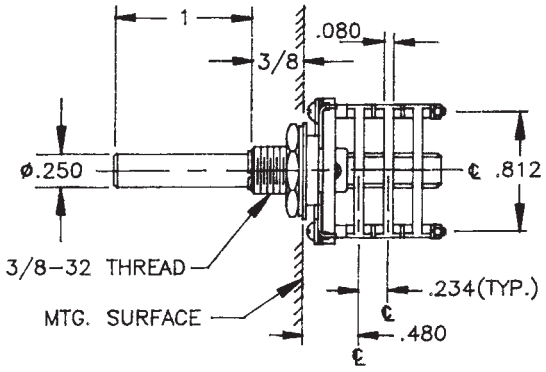
* FIGURES ARE SHOWN ON PAGES 55 AND 56.

DIMENSIONS

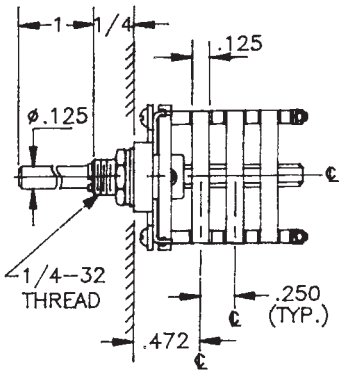
STANDARD CONSTRUCTION



D2D
DIALLYL PHTHALATE INSULATION



D2C
CERAMIC INSULATION



ELECTROSWITCH • ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP.
2010 Yonkers Road
Raleigh, NC 27604
Telephone: (888) ROTARYS or (919) 833-0707
Fax: (800) 909-9171 or (919) 833-8016

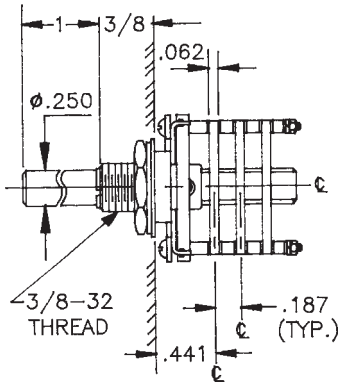
How to Order Additional Options:

2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
D2	D - DIALLYL (30°,45°,60°) G - GLASS (30°,36°,45°,60°)	01 - MIN.	12 - MAX @ 30° 10 - MAX @ 36° 08 - MAX @ 45° 06 - MAX @ 60°	S - SHORTING N - NON SHORTING	L - SOLDER LUG V - VERT. P.C. 30° R - (REAR P.C. NOT CERAMIC)	30° 36° 45° 60°	A - ADJ. F - FIXED C - CONT.	SEE CHART "A"	SEE CHART "B"
D2	C - CERAMIC (30°,60°) 1/8 SHAFT	01 - MIN.	11 - MAX @ 30°	S - SHORTING N - NON SHORTING	L - SOLDER LUG	30° 60°	A - ADJ. F - FIXED C - CONT.		

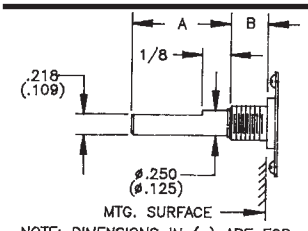
CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS						ADDITIONAL OPTIONS			
D 2									
	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)

INSULATION OPTION

D2G
GLASS EPOXY INSULATION



SHAFT, BUSHING, AND FLAT OPTIONS



NOTE: DIMENSIONS IN ( ) ARE FOR P/N'S BEGINNING WITH D2C.

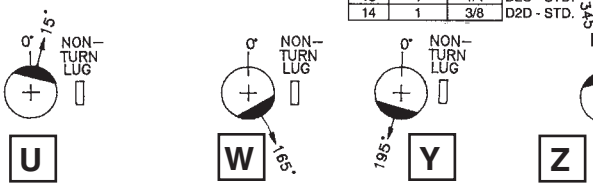
CHART "A"

P/N OPT.	SHAFT LGTH. "A"	BUSH. LGTH. "B"	
01	3/8	1/4	
02	3/8	3/8	
03	1/2	1/4	
04	1/2	3/8	
05	9/16	1/4	
06	9/16	3/8	
07	5/8	1/4	
08	5/8	3/8	
09	3/4	1/4	
10	3/4	3/8	
11	7/8	1/4	
12	7/8	3/8	
13	1	1/4	D2C - STD.
14	1	3/8	D2D - STD.

CHART "B"

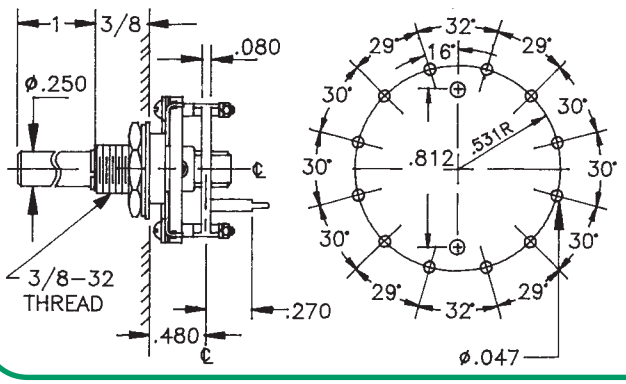
P/N OPT.	FLAT ANGLE	
B	ROUND	- STD.
U	15°	
W	165°	
Y	195°	
Z	345°	

SHAFT AS VIEWED WITH NON-TURN LUG AT 3 O'CLOCK AND SHAFT IN EXTREME CCW POSITION AND STRUT BOLTS ORIENTED VERTICALLY.

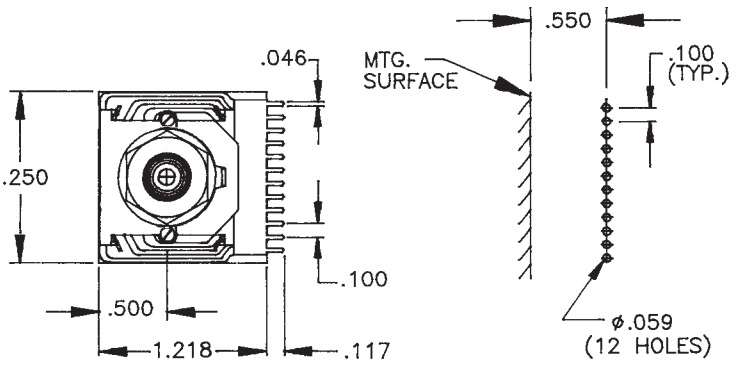


PRINTED CIRCUIT BOARD TERMINAL OPTIONS

R REAR P.C. DIALLYL ONLY



V VERTICALP.C.



CUSTOM SWITCHES ARE AVAILABLE. CONTACT THE FACTORY WITH YOUR COMPLETE SPECIFICATIONS.

ELECTROSWITCH • ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP.
2010 Yonkers Road
Raleigh, NC 27604
Telephone: (888) ROTARYS or (919) 833-0707
Fax: (800) 909-9171 or (919) 833-8016