

Rotary Dip Switches, Process Sealed, Through Hole and Surface Mount

MATERIAL SPECIFICATIONS:

Contacts	Gold flashed copper alloy
Terminals	Tin lead plated brass
Base, Rotor, Case	PC, Glass filled PBT resin (blue case) SMT, Polyimide (white case)
Movable Contact.....	Gold flashed copper alloy
Ball Support Plate	Copper alloy
Detent Spring	Stainless steel (spring)

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....	-22°F to +185°F (-30°C to +85°C)
Storage Temperature.....	-49°F to 212°F (-45°C to +100°C)
Vibration Resistance.....	Subjected to vibration of 10-55hz per second with a total amplitude of .06 in. in 3 mutually perpendicular directions for 2 hours each
Shock Resistance	Will withstand 50G acceleration in 3 different planes for a period of 11 milliseconds
Salt Spray Test	Withstands an atmosphere of 5% salt water at temperature of 50°C
Hydrogen Sulfide Test	Withstands an atmosphere of 15-20 PPM hydrogen sulfide gas at temperature of 40°C for 240 hours
Atmospheric Test	Withstands an atmosphere of 30-50 PPM sulfite gas at a temperature of 40°C for 240 hours
Solder Heat Resistance	Withstands 5 sec. flow solder bath of 260°C when mounted on a .06" thick PC board per MIL-STD 202, Method 210
Bubble Test.....	Withstands submersion in 60°C Fluorinert for 1 min. without leakage

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating	0.4 VA @ 20 VDC max.
Initial Contact Resistance	50 Milliohms max. @ 2 VDC
Insulation Resistance	1,000 Megohms min. @ 100 VDC
Dielectric Strength	300 VAC RMS @ sea level
Operating Force	.6 Oz.-in. nom.
SMT Operating Force.....	.3 Oz.-in. nom.
Life Expectancy	20,000 Steps



DRD10E



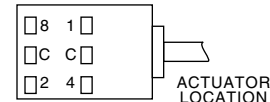
DRD16CE

TRUTH TABLES

Terminal Identification
(view from bottom of the switch)



VIEW FROM BOTTOM
OF THE SWITCH



NOTE: COMMON TERMINALS ARE CONNECTED INTERNALLY.

10-Position, BCD (red actuator)										
Pos.	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X
2			X	X			X	X		
4					X	X	X	X		
8									X	X

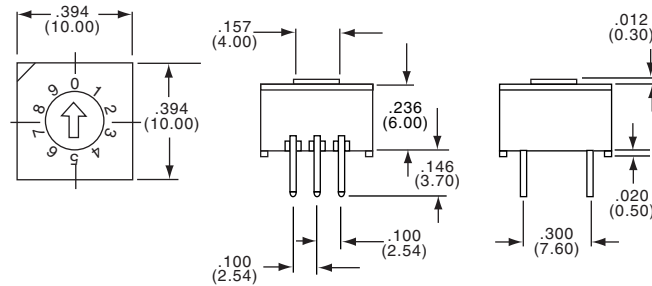
16-Position, Hexadecimal (black actuator)																
Pos.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X		X		X		X
2			X	X			X	X			X	X			X	X
4					X	X	X	X					X	X	X	X
8									X	X	X	X	X	X	X	X

10-Position, BCD Complement (orange actuator)										
Pos.	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X	
2	X	X			X	X			X	X
4	X	X	X	X					X	X
8	X	X	X	X	X	X	X	X		

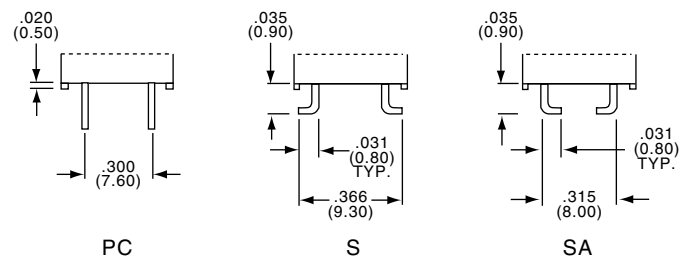
16-Position Hexadecimal Complement (white actuator)																
Pos.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X		X		X		X	
2	X	X			X	X			X	X			X	X		
4	X	X	X	X					X	X	X	X				
8	X	X	X	X	X	X	X	X								

Rotary DIP Switches, Process Sealed, Through Hole and Surface Mount

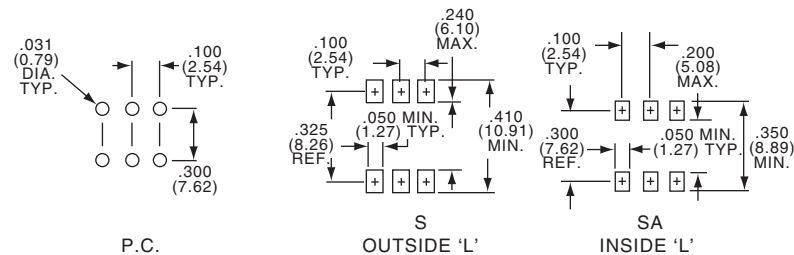
"D" FLUSH ACTUATOR



TERMINATIONS



LAYOUTS



HOW TO ORDER

