

**Pushwheel Switches, Mini, Front Mount**

SMCD Series have large visible readout characters despite it's small size. This popular family is used in measurement and test instrumentation for range setting, data programming and count controlling; and in communications equipment for digital tuning. The simple, reliable bi-direction pushbutton mechanism permits rapid changes to either higher or lower numerical settings. Instrument-grade performance and long service life are enhanced by the heavy gold wiping contacts. Large readout characters are protected by dust-sealed windows. Snap-together grouping and snap-in panel mounting minimize installation time and cost. SMCD models have snap detent with slight audible click.

SMCD bi-directional code switches may be easily assembled into groups of any number. The tabs or pins of one decade section press fit into the holes in the adjacent section. Spacers and end mounting plates may be included in the same manner as desired.

Groups of SMCD switches with end plates snap into panel holes of the recommended size and are retained by plastic clips. Again, tools and additional hardware items are not required.

**MATERIAL SPECIFICATIONS:**

PC Board .....Glass epoxy type, FR4  
 PC Terminals .....Gold over Ni on Cu  
 Character Height/Color.....White on black background  
     SMC .197/.134; SMCD .193/.134  
     Except 301 & SG558: .140 and  
     SG557 .120  
 Molded parts .....Noryl-SE1, Black matte finish  
 Housing .....Black matte finish

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....0.4 VA @ 20 VDC or Peak AC  
 Contact Circuit Resistance .....0.12 Ohm max. (Total internal ckt. res.)  
 Mechanical Life .....More than 10<sup>6</sup> operations  
 Operational Force .....Approx. 14 oz.

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature.....(-20°C to +80°C)

Model	Description
SMCPK	End mounting plates (pair)
SMCL	300" spacer section
SMCA	.100" spacer (with mounting clips)
SMCADP	.100" spacer, decimal point (with mounting clips)
B9L	Connector, 9 contacts, solder lug terminals
B9LS	Connector, 9 contacts, PC pins
B9LS5PIN	Connector, 5 contacts, PC pins
B11LS	Connectors, 11 contacts, PC pins (for 111)
SP1.2	Limit stop pin for SMD 10 position only

**SMCD - 131 - AK**

Codes	Connections
111 = Decimal	AK = pcb short
131 = BCD	AL = pcb long
137 = BCD Complement	LS = solder pin
141 = BCD + Complement	ALU = pcb long downward
301 = Hexadecimal	

See Code Tables on Page J3

