## Pushwheel Switches, Mini, Rear Mount

The DPS8 Series is a compact, lower cost family of instrument grade, pushbutton code switches for numerical input applications. DPS8 models are similar in size to those of the SMCD Series and also feature a fast-snap-together assembly with conventional behind-the-panel mounting. A simple reliable bidirectional pushbutton mechanism allows rapid changes to either higher or lower numerical setting. Reliable performance in logic level circuits and long service life are provided by gold clad wiping contacts. A dust-sealed window protects the readout characters, which are larger than those of comparable thumbwheel switches. DPS8 switches have snap-action detent.

## MODULE ASSEMBLY **METHOD**

DPS bi-directional code switches may be easily assembled into groups of any number. Each switch, spacer or end-plate pair has appropriate snap-together assembly. No tools are required, little time consumed.

Groups of DPS8 switches, with end-plates mount into panel holes of the recommended size using four screws plus nuts and washers.

### MATERIAL SPECIFICATIONS

PC Board ......Glass epoxy type, FR4 PC Terminal Spacing ......DSP811: .079", 131,137, 141: .100" Character Height/Color ......0.193" White on black background Housing ......Noryl-SE1, Black, matte finish

Operating Force ......Approx. 14 oz.

#### TYPICAL PERFORMANCE CHARACTERISTICS

Contact Circuit Resistance ...0.15 ohms max.

Mechanical Life ......More than 10<sup>6</sup> operations

#### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....( $-20^{\circ}$ C to  $+80^{\circ}$ C)

#### **ACCESSORIES**

Model Description Spacer 157" (4mm) .315" spacer section End mounting plates, decorative only (pair) DPS8A DPS8L

DPS8PW End mounting plates, flanged with mounting holes (pair)

B9L Connector, 9 contacts, solder lug terminals

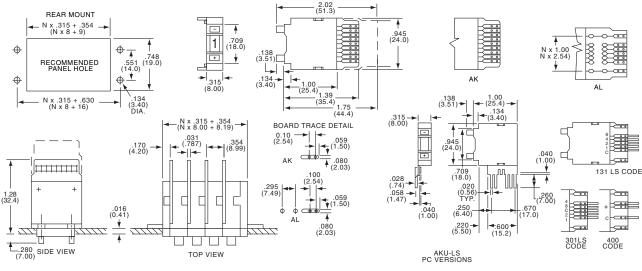
B9LS Connector, 9 contacts, pc terminals Connector, 11 contacts, PC terminals (for Code III Switch) Limit stop pin for 10 position only. B11LS

SP1.2

# **DPS8** - <u>131</u> - <u>AK</u>

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

See Code Tables on Page J3



J10

Catalog 1308390 Issued 9-04

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses or brackets are metric equivalents.

Dimensions are shown for reference purposes only Specifications subject to change

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425

South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-141-810-8967

www.tycoelectronics.com