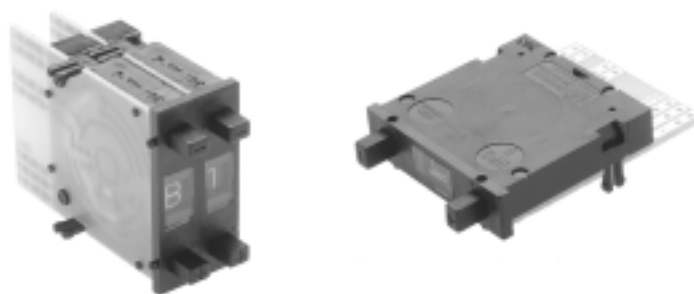


DPS9 SERIES PUSHWHEEL SWITCHES



FEATURES

- .315"(8mm) wide pushwheel switches with extra large visible readout characters
- Bi-directional snap action detent pushbutton mechanism
- Black housing and drum with white printing
- Gangable front mounting models with spacers and side covers
- Gold wiping action contacts
- PC board options include solderable lands

DPS9 SPECIFICATIONS

Panel mounting hole:	
Height	1.300"(33mm)
Width	.315"(8mm)
Installed depth with pc board:	
Short	1.535"(39mm)
Long	1.968"(50mm)
Insertion from front	yes
Insertion from rear	no

CODES

Code	positions	marking	
111 Decimal	10	0-9	see truth tables
131 BCD	10	0-9	see truth tables
137 BCD comp	10	0-9	see truth tables
141 BCD + comp	10	0-9	see truth tables
301 Hexadecimal	16	0-9, A-F(0-15)	see truth tables
307 Hexadec comp	16	0-9, A-F(0-15)	see truth tables
400 change-over	10	+,-,+, -,etc..	see truth tables

ELECTRICAL DATA

Operating voltage:	40 V max.
Contact load, static:	1 A max.
Contact load, dynamic:	100 mA max.
Contact resistance (type AK):	less than 100 mOhm

TECHNICAL DATA

Operating temperature range:	-20°C to 80°C
Electric life, min. switching cycles	greater than 1,000,000
Actuation force, approx (oz.):	16
Weight, approx. (grams):	6.5
Character ht: 10 digit - .268" (6.8mm)	16 digit - .169" (4.3mm)
Audible click	yes
Vibration DIN EN 60068-2-6	yes
Shock DIN EN 60068-2-27	yes

MATERIALS

Body:	PPO
PC board:	FR 4 DIN 40802 IEC 249-2, Contact surface gold over nickel on copper
Sliding contact:	Gold over nickel on copper alloy

STANDARD COLORS

Housing, Drum, Printing	
2 = black 3 = white	2,2,3

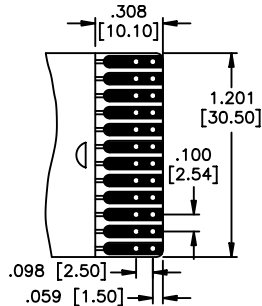
Other special features are available upon request including:

- Factory or customer set stops (10 digit models)
- LED illumination (transparent drum)
- Red digits
- Decimal point
- Special codes or printing
- Gray housing
- See sockets at end of Pushwheel section.

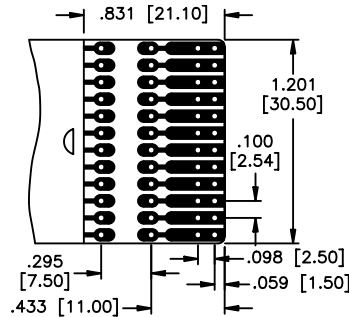
DPS9 SERIES PUSHWHEEL SWITCHES

PRINTED CIRCUIT OPTIONS

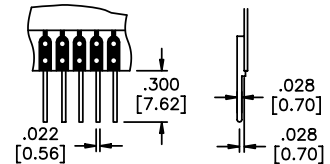
PC boards have .039" (1mm) holes and are suitable for soldering or socket connection (with the exception of LED illumination option).



AK short pc board



AL long pc board
 Allows customer to add
 resistors, diodes, etc.



LS pc board w/solder pins

Ordering information: Below is an order format that enables you to 'build your own switch' and specify the correct switch model number by simply selecting from available options shown and filling in the boxes. Consult factory for fully assembled switches.

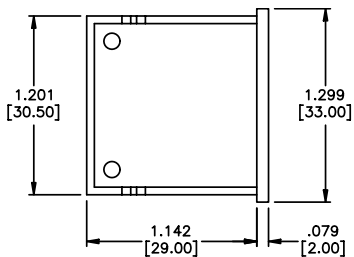
'BUILD YOUR OWN SWITCH' ORDER FORMAT

Series model	Code	PC board	Terminations	Standard colors
D P S 9				2
	1 1 1 Decimal 1 3 1 BCD 1 3 7 BCD comp. 1 4 1 BCD + comp. 3 0 1 Hexadecimal. 3 0 7 Hexadecimal comp. 4 0 0 Change-over	A K Short A L Long	(NONE) L S with pc solder pins	Black housing. & drum, white lettering.

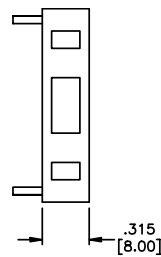
Example of complete model no.: **DPS9141AKLS2**
 Order SP15 as a separate line item for limit stop
 pin (for 10 position models only).

ACCESSORIES

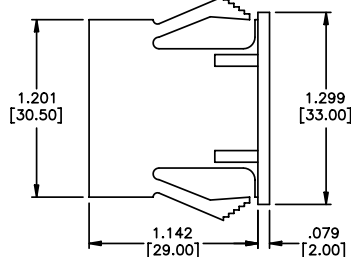
Order separately



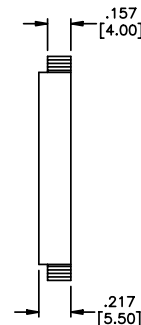
DPS9L2 Dummy housing



DPS910P2 Pair of side covers

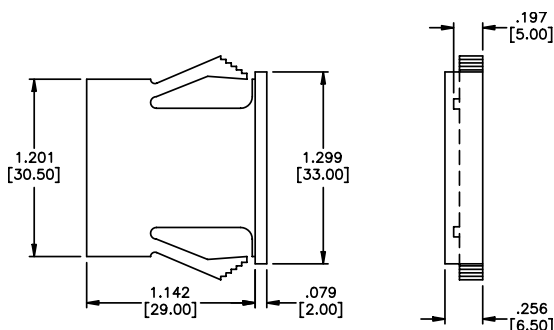


DPS910PB2 Pair of side covers



DPS9L2
 Dummy
 switches

These are empty
 plastic housings with
 the same dimensions
 as DPS9 model (see
 outline). Use to fill
 hole where switch is
 not needed.



DPS910A2 Spacer

