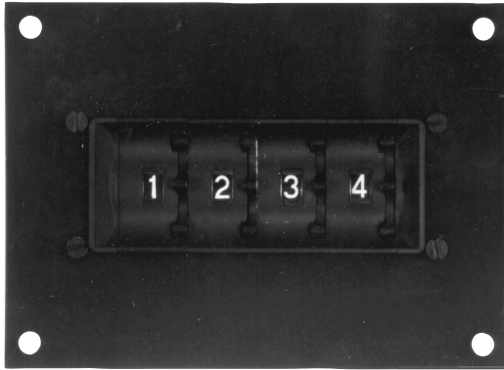


# TWTB/TWSTB

## BCD Thumbwheel Switches



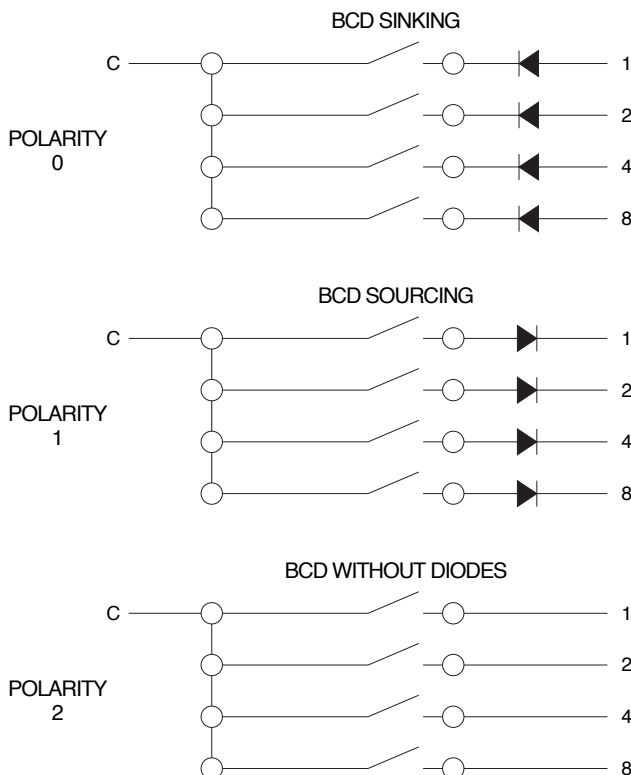
### Description:

The TWTB Series is sealed internally to protect against dust, dirt, and moisture. The TWSTB thumbwheel switch is sealed against dust and dirt only. A plastic window covers each digit. Each 0.350" wide switch is sized for comfortable operation while saving space. They accept voltages up to 120 VAC. They are also available with diode isolation for use with multiplexing. Screw mounting hardware and screw terminal block connections are standard.

### Specifications:

No. of switching positions	.....	10, numbered 0 through 9
Life	.....	Greater than 100,000 detent operations
Tangential Operating Force	.....	6-20 oz.
Temperature Range	.....	-10°C to +65°C
Electrical Ratings:		
Non-Switching Load	.....	1 Amp/common terminal
Switching load	.....	0.125 amps at 115 VAC or 28 VDC
Dielectric Withstanding Voltage	.....	500 V (RMS)
Insulation Resistance	.....	1000 MOhms (min.)
Switch Circuit Resistance	.....	0.100 Ohms (max.)
Weight	.....	0.40 oz. (Approx.) per decade
Standard Color	.....	Black
MATERIALS: Plastic	.....	ABS plastic
Circuit Board	.....	Glass epoxy (g-10)
Contacts		
Rotary	.....	Precious metal over copper alloy
Stator	.....	Gold over nickel over copper
Form	.....	BCD 1-2-4-8 with diodes for multiplexing

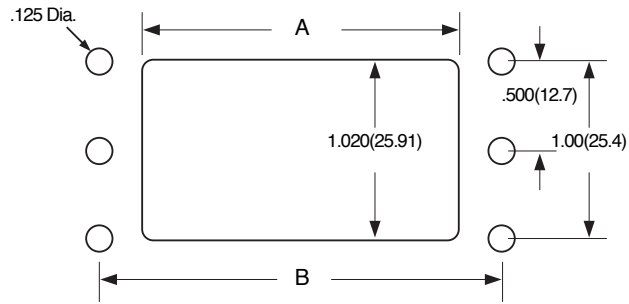
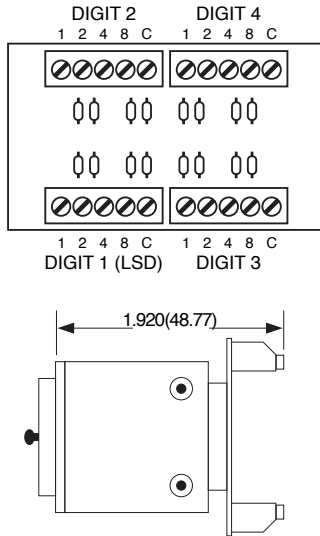
### Polarities:



### How To Order:

<b>EXAMPLE:</b>	<b>TWTB</b>	<b>4</b>	<b>0</b>	<b>MP</b>
<b>Series</b>	_____			
	TWTB: Moisture sealed			
	TWSTB			
<b>Number of Digits</b>	_____			
	1 through 10			
<b>Blank</b>	To order blanks: state the # of digits before, "X" (blank), then the # of digits after. EX: TWTB 2X2			
	0 is a thumbwheel with 2 digits, a blank, 2 more digits & polarity 0			
<b>Decimal</b>	To order decimals: state the # of digits before, "." (decimal), then the # of digits after. EX: TWTB 2.2			
	0 is a thumbwheel with 2 digits, a decimal, 2 more digits & polarity 0			
<b>Polarity</b>	_____			
	0,1,2			
<b>Option</b>	_____			
	MP-Mounting Panel			

**Dimensions:**



A	B
$(0.350 \times N) + 0.340$	$(0.350 \times N) + 0.560$
$(8.89\text{mm} \times N) + 8.64\text{mm}$	$(8.89\text{mm} \times N) + 14.22\text{mm}$

**Mounting Plate Option:**

**2-4 Digits**

# OF SWITCHES	DIMENSIONS			
	B	C	D	E
2	1.030 +.005	1.260	1.297	1.182
3	1.380 +.005	1.610	1.123	1.008
4	1.725 +.005	1.955	.950	.835

DIMENSIONS	
DIMENSION "F"	.149 +/- .003 DIA 4 PLACES
DIMENSION "G"	.086 +/- .001 DIA. 4 PLACES
DIMENSION "H"	.062 RAD 4 PLACES

**5-10 Digits**

# OF SWITCHES	DIMENSIONS			
	B	C	D	E
5	2.080 +.005	2.310	1.523	1.408
6	2.430 +.005	2.660	1.347	1.233
7	2.780 +.005	3.010	1.173	1.058
8	3.130 +.005	3.360	.998	.883
10	3.830 +.005	4.060	.647	.533

DIMENSIONS	
DIMENSION "F"	.149 +/- .003 DIA 4 PLACES
DIMENSION "G"	.086 +/- .001 DIA. 4 PLACES
DIMENSION "H"	.062 RAD 4 PLACES