

Touchbolt™ Switch Modules TBM 3000 & 4000 Rev B

Standard Features

- Touch activated switch.
- Touchbolt™ switch modules can be used on graphic control panels, industrial control panels and hundreds of other applications.
- Designed for harsh environments.
- Capacitively activated switching.
- Sink or Source models.
- Momentary or maintained output.
- Utilizes solid state circuitry.
- Multiple mounting applications.
- 8 – 40 VDC operating voltage range
- Max output is 175mA @ 8 – 40 VDC.
- Power consumption is 10mA in a steady state; 20mA when active.
- Expected life is 10 million cycles.
- All electrical connections are made via 3/32 male quick-disconnect tabs.
- Hole cutout size is 3/8" in diameter.

Model TBM3000 (Momentary):

- The main output drive activates on the initial touch and remains active as long as the touch is held. The output then deactivates when the touch is released.

Model TBM4000 (Maintained):

- The main output drive activates on the initial touch and remains active even after the touch is released. The output then deactivates on the subsequent touch. The output activates and deactivates with every other alternating touch.

Models with a (+) indicate a sourcing unit which outputs a (+) 24VDC when the unit is activated. Models with a (-) suffix indicate a sinking unit connected main drive in which the output closes to 0vDC (common) input when activated.

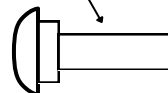
There is a second output that activates briefly with each touch activation; this output is typically connected to a beeper, buzzer, or light to give audible/visual feedback of operation.



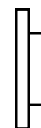
Sample

TMB3000-

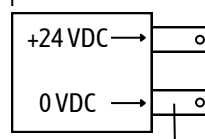
#10-32 X 5/8" LONG STAINLESS
STELL CARRIAGE BOLT
PART ID 500047



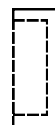
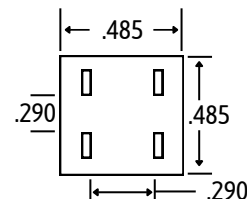
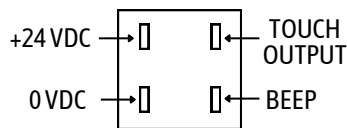
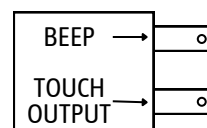
BUSING, BLACK DELRIN,
0.50" OUTER DIAMETER
PART ID 500133



← .910 →



0.110 X 0.02 QUIK CONI



BUSHING WITH PROTECTIVE SHROUD, PART
BLACK DELRIN, 0.625" OUTER DIAMETER

EITHER BUSHINGS FOR USE ON A PANEL THICKNESS
UP TO 0.310", MIN PANEL THICKNESS IS 0.125".
DIAMETER OF CUTOUT IN PANEL IS 0.375".



Touchbolt™ Switch Modules TBM 3000 & 4000 Rev B Cont'd



Ordering Information

For TBM3000 and TBM4000. All other inquiries please consult the factory.

MODEL No. TBM -					REV. B
TYPE					
3000 = Momentary			+ = Source		
4000 = Maintained			- = Sink		

Additional Parts

These parts are required for mounting a TBM in a panel (thickness up to 0.310", min thickness is 0.125"):

- Stainless steel carriage bolt (10/32 x 5/8"):
 - Part ID #500047
- Plastic insulating bushing, black:
 - Part ID #500133
- Bushing with protective shroud:
 - Part ID #500134 (black)
 - Part ID #503351 (white)

*Note: Only one bushing and one S.S. carriage bolt is required for mounting.

