

### INSTALLATION

1. Be sure the printed circuit board is clean before installing the module. It can be cleaned with any solvent you are now using to clean printed circuit boards. Allow solvent to dry before installing modules.

2. Remove the cover strips from the double-sided tape at the base of the module.

**NOTE:** Do not get the tape dirty after removing the covers. The tape holds the module firmly to the printed circuit board during the soldering operation.

3. Install the switch module in the proper location.

**NOTE:** Be sure the orientation arrow is pointed in the right direction. (The proper direction will depend on circuit board layout.)

4. Solder the module leads to the printed circuit board. We recommend that a soldering iron with a 1/8 inch diameter thermostatically controlled tip of 500°F be used and that it not be held on the terminal longer than 10 seconds. Excessive iron heat can cause serious damage to the switch. A resin core 60% tin and 40% lead solder should be used.

**CAUTION:** Keep all printed circuit board cleaning solvents from switch modules.

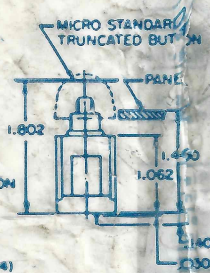
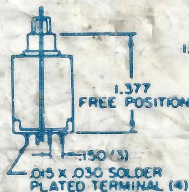
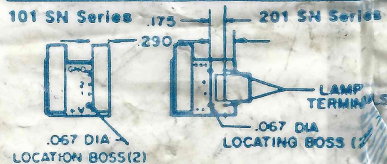
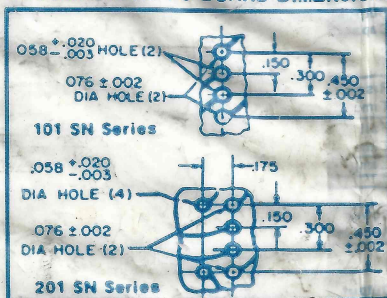
5. Lamp may be removed by first removing the button.

Lamp: T-1 Bi-pin, 0.115 amps, MICRO SWITCH part no. SW-10569. Lamps may be also purchased direct from the manufacturers, such as Chicago Miniature, 4433 N. Ravenswood Ave., Chicago, Illinois (part no. CM-7-7715); or CIMCO International, Inc., 201 N. Wells St., Room 1920, Chicago, Illinois (part no. OL 718BP).

**CAUTION:** Do not remove buttons from alternate action switches when in the operated position or serious damage will result to the switch.

Observe proper input voltage - See Electrical Specifications on the reverse side.

### RECOMMENDED PC BOARD DIMENSIONS



## ELECTRICAL INFORMATION

### CURRENT SINK LEVEL

Power Requirements	5 volts DC regulated $\pm 10\%$ 5 milliamps max. standby current
Output Capacity	Unoperated: 10 microamps max. collector leakage to ground. Operated: 0.4 volts DC max. (referenced to minus supply) sinking 4 milliamps per output (8 milliamps with outputs parallel.)
Rise Time	1.0 microsecond max. @ 4 milliamps per output
Fall Time	1.0 microsecond max. @ 4 milliamps per output
Lamp	5 volts DC, 0.115 amps.



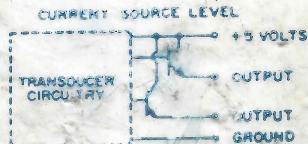
### CURRENT SINK PULSE

Power Requirements	5 volts DC regulated $\pm 10\%$ 9 milliamps max. standby current
Output Capacity	Unoperated: (and with button depressed after pulse) 10 microamps max. collector leakage to ground. Operated: (during pulse) 0.4 volts DC max. (referenced to minus supply) sinking 4 milliamps per output. (8 milliamps with outputs paralleled.) Pulse width: 10 to 100 microseconds.
Rise Time	1.0 microseconds max. @ 4 milliamps per output
Fall Time	1.0 microseconds max. @ 4 milliamps per output
Lamp	5 volts DC, 0.115 amps.



### CURRENT SOURCE LEVEL

Power Requirements	5 volts DC regulated $\pm 10\%$ 5 milliamps max. standby current.
Output Capability	Unoperated: 10 microamps max. leakage from VCC. Operated: 2.8 volts DC min. (reference to minus supply) sourcing 1 to 10 milliamp current (20 milliamps with outputs paralleled.)
Rise Time	1.0 microsecond max. @ 10 milliamps per output.
Fall Time	2.0 microsecond max. @ 10 milliamps per output.
Lamp	5 volts DC, 0.115 amps.



# MICRO SWITCH

A DIVISION OF HONEYWELL

FREEPORT, ILLINOIS 61032

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