

# Manual Switches

## Incandescent Lamp Assemblies

MML91/93 Series

### MML91 LAMP/PWB RECEPTACLE ORDER GUIDE

| Lamp Type          | Use To Illuminate                        | Voltage | Catalog Listing Incl. Lamp & PWB Receptacle | Industry Lamp No. |
|--------------------|--|---------|---|-------------------|
| T-1 ①<br>(unbased) | Rectangular button lens                  | 5<br>28 | MML91C<br>MML91DC                           | 715<br>6838       |
| T-1 ②<br>(bi-pin)  | Square button lens and MML24 rocker lens | 5<br>28 | MML91E<br>MML91DE                           | 7715<br>7839      |

Notes:  
 ① To order PWB receptacle separately, specify **MML93H**.  
 ② To order PWB receptacle separately, specify **MML93G**.

### MML91 LAMP/SOLDER RECEPTACLE ORDER GUIDE

| Lamp Type         | Use To Illuminate       | Voltage | Catalog Listing Incl. Lamp & Solder Receptacle | Industry Lamp No. |
|-------------------|-------------------------|---------|--|-------------------|
| T-1 ③<br>(bi-pin) | Rectangular button lens | 5<br>28 | MML91D<br>MML91DD                              | 7715<br>7839      |

| Lamp Type        | Use To Illuminate  | Voltage | Catalog Listing ④ |                         | Industry Lamp No. |
|------------------|--------------------|---------|-------------------|-------------------------|-------------------|
|                  |                    |         | Solder Receptacle | T-1 (Unbased) Lamp Only |                   |
| T-1<br>(unbased) | Square button lens | 5<br>28 | MML93L<br>MML93L  | MML91A<br>MML91DA       | 715<br>6838       |
| T-1<br>(unbased) | MML24 rocker lens  | 5<br>28 | MML93R<br>MML93R  | MML91A<br>MML91DA       | 715<br>6838       |

Notes:  
 ③ To order solder receptacles separately, specify **MML93J**.  
 ④ Order solder receptacles and T-1 lamp listings for complete assembly.

Manuals

# Manual Switches

# MML93 Series

## LED/Incandescent Lamp Receptacles

**User installed.** Certain MML switches and indicators will accept incandescent lamps, where specified in the order guides.

These lamps are ordered separately and installed by the user, per the procedures described below.

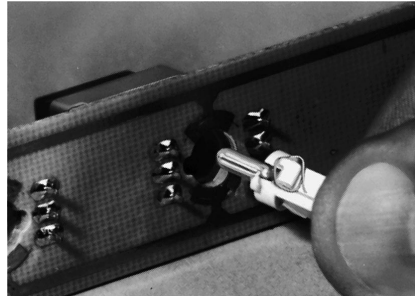
### LAMP INSTALLATION

#### 1. With Printed Wiring Board Receptacle for MML93G and MML93H only.

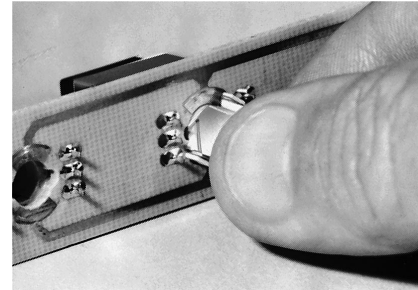
Use PWB receptacles to permit lamps to be added or replaced from behind the printed wiring board, without soldering.

These receptacles are for use with rectangular pushbuttons, square pushbuttons and MML24 rocker lens only.

Printed wiring boards are not supplied.



1. Insert the PWB receptacle/incandescent lamp assembly through a hole in the printed wiring board.

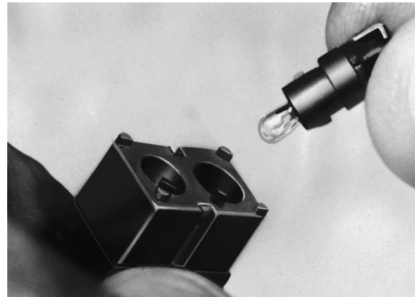


2. A 1/8-turn applied clockwise to the receptacle locks it in the printed wiring board and establishes the electrical connection.

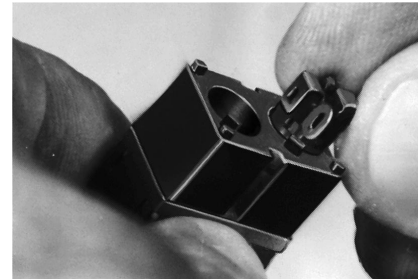
#### 2. With Solder Terminal Receptacle for MML93J bi-pin only

This receptacle attaches directly to the rear of panel-mounted units. It enables lamps to be added or replaced without rewiring.

This receptacle is for use with all rectangular pushbuttons and MML41 or MML46 rectangular indicators only.



1. Insert solder terminal receptacle into hole in base of panel mount unit.



2. A 1/8-turn clockwise applied to the receptacle locks it in the base.

#### 3. With Solder Terminal Receptacles for MML93L/93R Unbased Only or T-1 LED.

Use the receptacles shown at right to install T-1 LEDs or T-1 unbased lamps in panel-mounted MML21 square pushbutton switches and MML24 rocker switches.

#### Procedure:

1. Assemble LEDs or lamps to receptacles (leads first).
2. Snap receptacle into slots in housing base.
3. Solder directly to leads.

