

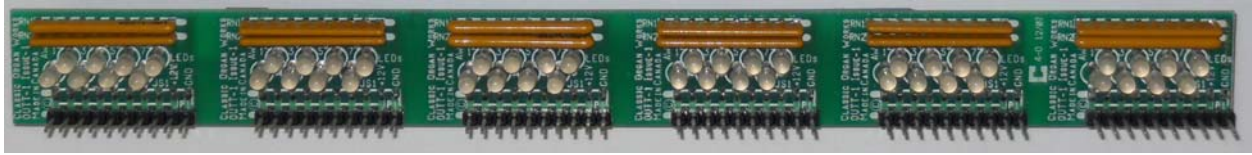
# Classic Organ Works

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## OUTT-1 LED Tester Board



### Description

The Classic Output LED Tester Board (OUTT-1) is intended to be used with 'Grey Boxes' (CCU, PCU) and MCU-1 as well as the MDKC-1 Drawknob Controller board.

It has six identical sections and plugs directly onto the six 10-pin headers used on those units, picking up its power from the last two pins of each header.

The OUTT-1 also has six 10-pin output headers so that it can be interposed between the units and whatever they are driving in order to test under real operating conditions with loads.

Each input pin operates a two-colour LED that is resistively biased to half of the +12V supply so that it will light Red when taken high (positive) or Green when taken low (0V).

Under normal conditions, all the LEDs will show one colour and each will change colour when its input changes state.

If there is no load on the pin, then the LED either does not light or lights dimly when not driven.

While the standard board has six identical sections, individual sections can be supplied.

Thus the OUTT-1 can be used with the OUTN-1, OUTP-1 or OUTL-1 as well as other boards that have the same basic header spacing and pin-out.

### Features

- Two-colour LEDs indicate both high or low input levels.
- Dim or unlit LED when not being driven indicates load not connected.
- Fits onto header pins of CCU, PCU, MCU-1, MDKC-1 and other output boards.
- Can be interposed between drivers and loads for testing under true operating conditions.
- Six identical sections or individual.
- Picks up power from unit under test.
- Approximate dimensions:  
8.25" x 0.8" x 0.6" (w x h x d)

### Applications

The OUTT-1 is used to test outputs from the various driver boards used in Classic Organ systems employing 'Grey Box' hardware. Certain other discrete driver boards can be tested if they have the same output connection.