

Mounting Instructions

PRINCIPLES OF OPERATION

The inner scale of the Model 18 Multidial® is graduated in fiftieths of a turn. The outer scale (read through the view window) counts the number of turns (0 to 15) that have been completed.

Example: If the number in the window reads 7 and the inner scale reads 22, the reading is 7 turns plus $\frac{22}{100}$ of the eighth turn. In case of a 10 turn potentiometer, this equals 72.2 % of 10 turns.

Each complete revolution of the inner scale transfers the outer scale numerals in the window. Numeral transfer on the outer scale occurs between 97 and 0 on the inner scale. If two numerals appear in the window at the instant of transfer, read the lower of the two.

MOUNTING INSTRUCTIONS

The following instructions apply when the Model 18 Multidial is used on a $\frac{1}{8}$ " panel in conjunction with Spectrol 500 or 800 series potentiometers or other rotary components:

1. Insert potentiometer in panel.
2. Drill a 1.98 mm (0.077") diameter hole 9.52 mm (0.374") below the horizontal centerline of potentiometer mounting hole.
3. Install anti-rotation device using hardware supplied with potentiometer.
4. Turn potentiometer shaft counter clockwise to obtain minimum resistance or voltage ratio. This is not necessarily identical with the mechanical stop.
5. Loosen set screw in knob of dial. Set dial to "0.0" reading.
6. While holding outer ring of dial, position unit lightly against panel. Tighten knob set screws to potentiometer shaft.

Panel hole patten diagram

