

MODEL 21 MULTIDIAL®

PRINCIPLES OF OPERATION

The inner scale of the Model 21 Multidial is graduated in hundredths of a turn. The outer scale (read through the viewing window) counts the number of turns (0-15) that have been completed.

Example: If the numeral in the window reads 7 and the inner scale reads 21, the reading is 7 turns plus 21/100 of the eighth turn. In the case of a 10-turn potentiometer, this equals 72.1% 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 94 and 0 on the inner scale.

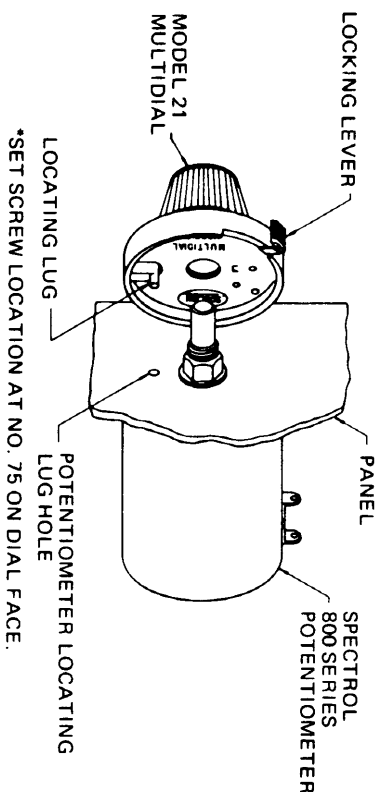
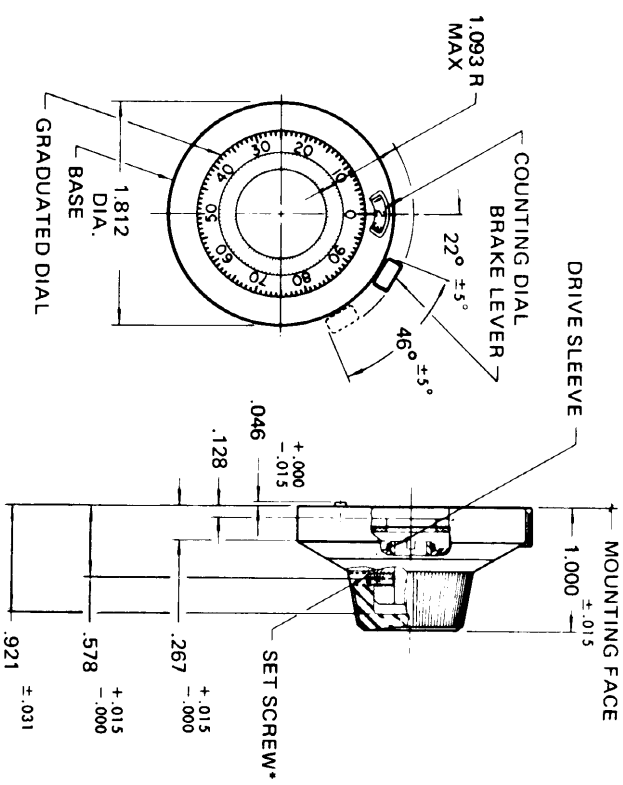
MOUNTING INSTRUCTIONS

The following instructions apply when the Model 21 Multidial is used on a 1/8" panel in conjunction with Spectro 800 series potentiometers. It may be necessary to modify these instructions when using the Model 21 Multidial with other than 1/8" panel thicknesses or multiturn devices having different mounting and/or shaft dimensions.

- 1 Turn the shaft of the potentiometer against its counterclockwise stop.
- 2 Turn the inner scale of the Model 21 Multidial so that "0" appears in the viewing window and the inner scale reads higher than 10.
- 3 With the braking lever released (in the counterclockwise position) slip the Model 21 Multidial over the potentiometer shaft. The locating lug on the multidial should enter the potentiometer locating lug hole in the panel.
- 4 Seat the Model 21 Multidial lightly against the panel.
- 5 Turn the inner scale counterclockwise slowly until "0" of the inner scale is opposite the index mark. Then tighten the recessed set screw firmly against the potentiometer shaft.
- 6 The dial is now ready to operate.

NOTE: The locating lug on the Model 21 Multidial is designed to occupy the same panel hole that accommodates the potentiometer locating lug. In instances where cabinet panels are less than 1/8" in thickness, it may be necessary to file or grind off part of the locating lug of either the Model 21 Multidial or the potentiometer. In instances where the Model 21 Multidial is used with other than Spectro 800 series potentiometers, it may be necessary to drill a 1/8" hole .562" directly below the horizontal centerline of potentiometer mounting hole to accept the locating lug.

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146-835

**SPECTROL'S COMPLETE LINE OF MULTIDIALS
TO MEET YOUR REQUIREMENTS**

All units shown 1/2 size



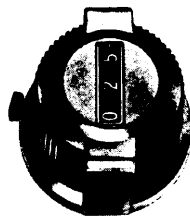
Model 11
1" Dia.



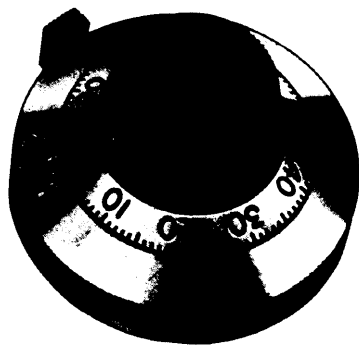
Model 15
1" Wide



Model 21
1-13/16" Dia.



Model 25
1-13/16" Dia.
(Available in
3- and 4-digit
readout)



Mounting Instructions for Model 21

Precision Turns — Counting Multidial®

A Division of



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