# ALTEC 9713A COLORFLO' MODULITE T.M. Volume Level Indicator



### Features:

Instantaneous Monitoring of Console Outputs

Calibrated in Percentage Modulation

Sequential Light Pattern

Mounts on 1" Centers

Permits 24 Displays in Two Feet of Space

Accurate

Reliable

## ACCURATE... RELIABLE... DESIGNED FOR: CUSTOM CONSOLE USE IN RECORDING, TELEVISION & BROADCAST STUDIOS, DISC, TAPE & FILM RECORDING, MUSICAL SCORING & RE-RECORDING

The conventional approach of monitoring console outputs cannot be effectively applied when modern sound reproduction techniques require eight, sixteen, or, on many occasions, twenty-four channel recordings. The New, ALTEC 9713A COLORFLO' MODULITE Volume Level Indicator; a major development in accuracy and reliability; answers these multi-track monitoring problems by providing a volume indicator that is virtually instantaneous in following the audio envelope. A vertical flow of colored lights allows the sound mixer to apply his full attention to the recording.

Calibrated in increments of percentage modulation, the ALTEC 9713A COLORFLO' MODULITE Volume Level Indicator is an instrument that stays accurate. A sequential pattern of lights beginning with the blue light at the bottom indicates a peak reading of 6 percent, followed by four green lights, electrically spaced at 16 percent, 25 percent, 40 percent, and 63 percent, respectively. The yellow light registers 100 percent modulation, with the red light at the top warning of an overload condition.

Only 4% inches high, and 1.0 inch wide, the ALTEC 9713A COLORFLO' MODULITE Volume Level Indicator has adjustable mounting brackets, with solder terminals provided on the rear. Its dimunitive size allows 24 display devices to be easily arranged in two feet of panel space. A calibration control is accessible through a hole at the top of the unit, and the isolated input can be used across balanced or unbalanced lines. Power requirements for the device is 300 milliamps at 24 volts dc,  $\pm 1.0$  volt.

The ALTEC 9713A COLORFLO' MODULITE Volume Level Indicator is perpetually modern in its spectral illuminating design, representing a measure of merit, symbolic of ALTEC Engineering.



#### **SPECIFICATIONS**

Model:

9713A

Type:

Volume level indicator

Height:

4¼ inches

Width:

1.0 inches

Depth:

3¾ inches (behind panel)

**Connections:** 

Solder terminals

provided on rear

Power Required: 300 mA at 24V dc,

±1.0V

Isolated input, can be used across balanced or unbalanced lines. Calibration control access provided through hole in top.

#### CONVERSION CHART IN dB.

24 dBm 6% Blue

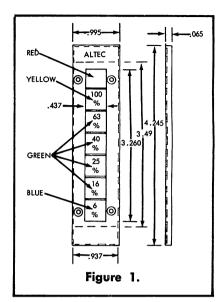
16% 16 dBm Green

25% 12 dBm Green

40% 8 dBm Green 63% 4 dBm Green

0 dBm Yellow 100%

Red Overload



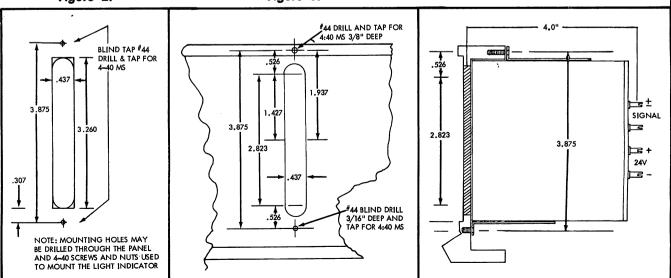
#### **INSTRUCTIONS**

- Figure 1. Illustrates the size of the 9713A Volume Level Indicator and the light pattern calibration in percentage modulation.
- Figure 2. Illustrates a cut out of the light panel when used without the mask. Holes are drilled from the rear. (Refer to Figure 3)
- Figure 3. Illustrates the size, position and depth of holes drilled. Cut out diagram shows the 9713A when used with the Altec 9200A Console.
- Figure 4. Illustrates a side view when used with the Altec 9200A Console, showing top and bottom mounting brackets.

Figure 2.

Figure 3.

Figure 4.



We recommend that you obtain your Altec products from authorized Altec Sound Contractors and Distributors. This t of proper installation, a continuing source of knowledgea, and quick warranty protection.

factory trained will assure you duice, service,