MODEL 410A STUDIO SYNC GENERATOR
and MODEL 450A COLOR SUBCARRIER GENERATOR

The Dage Model 410A studio sync generator meets the need for a high quality, low cost, rack mounted unit designed for monochrome or color operation.

The Model 410A can be purchased as a replacement or standby unit for your present monochrome operation. When you go to color there will be no need to modify or scrap your sync generator. The Dage Model 450A Color Subcarrier Generator and Divider can be mounted adjacent to the Model 410A. The Model 450A supplies the 3.57954 Kc standard subcarrier frequency to the colorplexer units and divides down to 51.5 Kc to furnish the frequency reference to the 410A Sync Generator.

The 410A makes use of new magnetic binary counter circuits to provide foolproof frequency division which requires no adjustments. Pulse widths and timing are adjustable to meet all RETMA and FCC specifications.

Both the Model 410A and 450A units are complete with their own electronically regulated power supplies. See your Dage sales engineer for further details.

See Reverse Side for Specifications
SPECIFICATIONS

MODEL 410A Studio Sync Generator

Physical Dimensions:
10 1/4" H x 19 1/2" W x 7 1/4" D. For standard rack mounting, connectors and cables add approx. 2" to depth.

Electrical:
- Power Input—95-130 volts, 60 cycle, 135 watts. Self-contained, electronically regulated power supply.
- Outputs:
  - Mixed blanking pulses
  - Horizontal drive pulses
  - Vertical deflection pulses
  - Sync pulses
Both positive and negative polarities available for all outputs, at 5V amplitude. Pulse widths and timing adjustable to REJMA standards. Pulse rise times meet REJMA and FCC requirements.

Auxiliary Inputs:
- 31,500 cycles from color frequency standard, 15V P.P.
  - Ext. A.R.C. voltage and vertical phasing pulse for genlock control.

Auxiliary Output:
- 115V, AC to color frequency standard.

Frequency division utilizes binary dividers with magnetic circuits. Requires no adjustments.
Total number of tubes: 31.

MODEL 450A—Color Sub-Carrier Generator and Divider

Physical Dimensions:
7" H x 19 1/2" W x 7 1/4" D. Connectors and cables will add approx. 2" to depth.

Electrical:
- Power Input—95-130 volts, 60 cycle, 110 watts to self-contained regulated power supply.
- Outputs—26V, P.P., at twice horizontal line frequency for synchronizing local sync generator. High impedance.
  - 2 isolated outputs of 3.579545 MC. Subcarrier frequency, 15V, P.P., into 75 ohm termination.

Frequency tolerance—±0.003%. Oven mounted crystal adjustable to exact frequency.
Total number of tubes—14.

Note: We reserve the right to change specifications without notice.

DAGE ELECTRONICS
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