

LAMP SUPPLY CONTROL UNIT UN3/508

Introduction

The UN3/508 forms part of a telecine equipment^{1,2}. The unit accepts command signals from associated relay panels in the equipment and provides the required power for the telecine lamphouse. The intensity of the lamphouse output is indicated by a meter mounted on the front panel of the unit.

General Specification

Chassis	Special. 13 in wide × 7.5 in high × 16.25 in deep.
Weight	31 lb
Mounting	Detachable-member Imslides with type IMS/300/15 DL locks.
Connections	Painton 24-way fixed plug.
Mains Input	240 V, 50 Hz, single phase. Maximum current 1.8 A unregulated.

50 V Input

Current in *Running* condition, 140 mA.
 Current in *Show* condition, 65 mA.
 Current in passive condition, 0 mA.

Outputs

Two outputs with common earth connection.
 18 — 24 V, 5 — 6 A, 50 Hz.

Output Impedance 1.0 to 2.3 ohms.

Dissipation about 75 watts maximum.

Ventilation Forced cooling required.

Circuit Description

The circuit diagram is given in Fig. 1. The unit is described, in conjunction with associated control circuits, in the Instruction on the parent unit.

References

1. 16-mm. Vidicon Telecine EP6/501 (see Designs Dept. Technical Memorandum No. 7.133)
2. 16-mm. Colour Telecine Equipment EP6/505

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