

Film-Tech

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EX525 **DOUBLE DC**

DUAL REGULATED EXCITER SUPPLY



TWO REGULATED DC EXCITER SUPPLIES FOR PREMIUM PERFORMANCE

The SMART EX525 DOUBLE DC exciter supply is an industry first. A pair of computer technology regulated DC switching-type supplies in one high reliability package. The EX525 has field replaceable modules for the NORMAL and BACKUP modes of operation that allow the show to stay on the screen until the main supply can be fixed. The EX525 does not compromise! Both supplies deliver tightly regulated outputs so that Stereo systems stay calibrated, and Mono systems do not change level because of supply voltage drift.

PRECISE REGULATION. The EX525 delivers the highest degree of bulb regulation ever achieved in a production product. LINE REGULATION vs. OUTPUT CHANGES are less than 1% over a $\pm 10\%$ line voltage change from the nominal 120 volt AC input. This means that there is an amazing 0.3 volt change in output when the AC line voltage to the unit wanders from 108 volts to 132 volts. This precision has never been achieved in previous products.

The computer technology switching supply turns heavy current on and off at the rate of 25,000 times a second. This results in a very cool running DC output module with very low ripple. The high efficiency of the supply allows maximum output with minimum heat. Components last longer with less risk of failure.

FULLY ADJUSTABLE OUTPUT RANGE. An installer control allows continuously adjustable output range setting from 4.5 VDC to 10 VDC with a multi-turn precision control. This wide range is suitable for both foreign and domestic exciter bulbs. Our SLOW TURN-ON CIRCUIT saves bulbs from thermal shock and greatly extends bulb life.

REMOTE CONTROL "KILL" CIRCUIT. A pair of terminals on the rear of the EX525 control a "Kill" circuit that reduces the exciter voltage to a pre-heat bulb state during show intermission. Easy installation with just a pair of low voltage wires from the booth automation to the supply.

QUICK CHANGE MODULES. The electronics for both supplies are on a removable sub-chassis that simply unplug from the main chassis harness. A red LED on each module indicates to the serviceman that the a defective module has no DC output.

The EX525 DOUBLE DC Exciter Supply is clearly the most advanced and finest product of its type on the market. It is specifically designed for first class theatre booths.