

# ELLIPSOIDAL STROBE MODULE

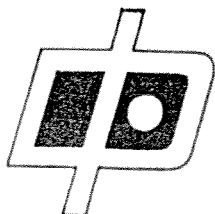
## *Installation and Operating Instructions*

MODELS,	
120 / 240	
0480 / 0464	ESM-DMX-A (ALTMAN 360Q HEAD)
0481 / 0465	ESM-DMX-S4 (ETC SOURCE 4 HEAD)

### **!! EXTREME CAUTION !!**

#### **—HIGH VOLTAGE AND HIGH TEMPERATURE—**

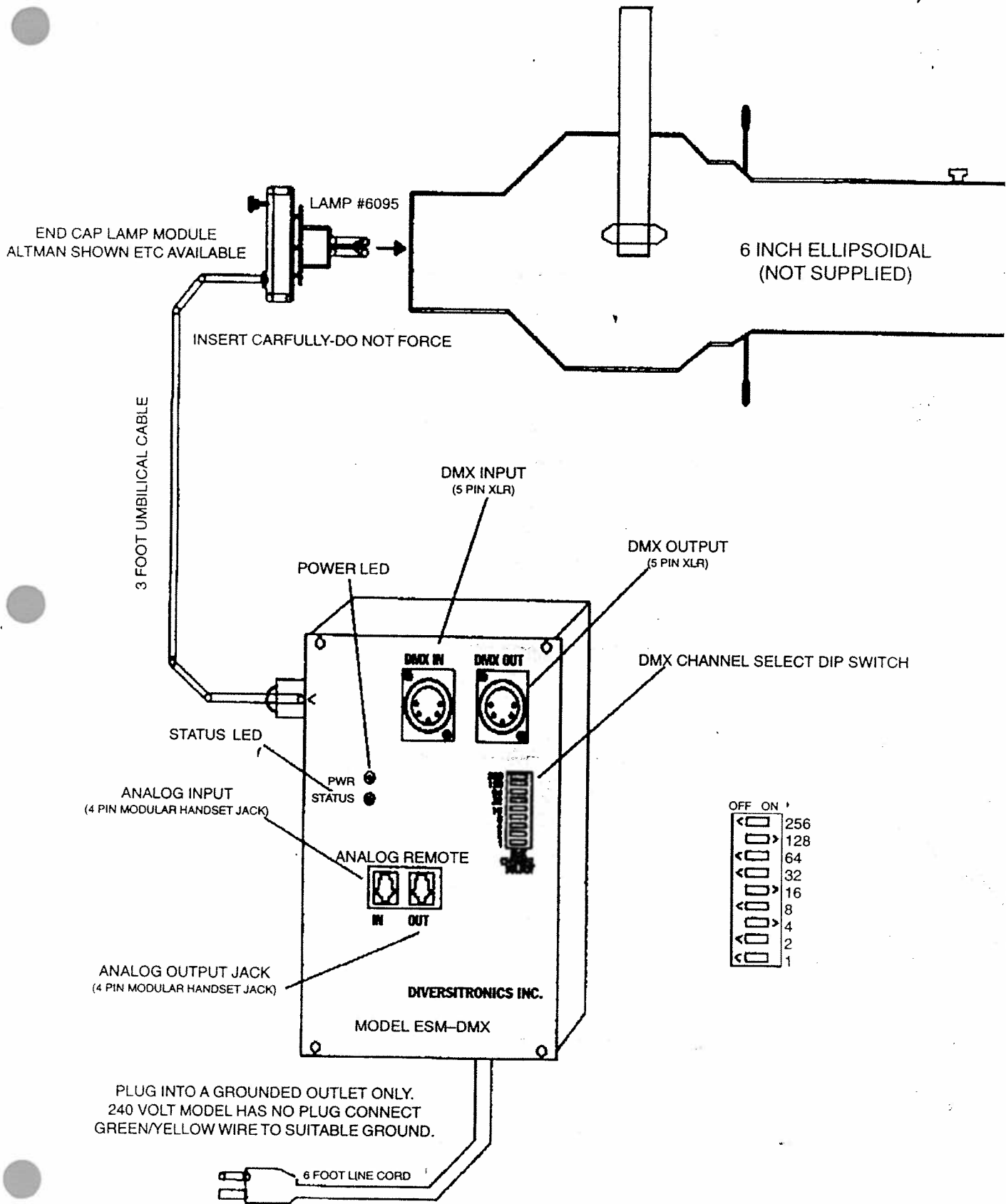
- DO NOT EXPOSE TO RAIN OR MOISTURE!
- DISCONNECT POWER CORD BEFORE REMOVING END CAP!
- ALLOW AMPLE TIME FOR LAMP TO COOL BEFORE RELAMPING!
- OPERATE ONLY WITH END CAP INSTALLED!
- RISK OF FIRE  
REPLACE LAMP ONLY WITH DIVERSITRONICS INC  
PART NUMBER 6095!
- NOT FOR RESIDENTIAL USE!
- ALWAYS USE SAFETY CABLES WHEN MOUNTING FIXTURES!



## **DIVERSITRONICS, INC.**

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# ELLIPSOIDAL STROBE MODULE



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## Installation and Operating Instructions

**ANALOG INPUT JACK:** (4 PIN MODULAR HANDSET JACK) RC-A remote connects directly to this jack. However, any zero to ten volt source can be connected using the pigtail connectors provided.

Yellow Pin 1 = Intensity Control  
 Green Pin 2 = Rate Control  
 Red Pin 3 = +12 Volt source (60MA)  
 Black Pin 4 = + Common

**ANALOG OUTPUT JACK:** (4 PIN MODULAR HANDSET JACK) Provides a convenient way to slave additional fixtures from one control. Maximum number of fixtures is ten. Maximum Length is 1000 feet.

**DMX INPUT CONNECTORS:** (5 PIN XLR) Standard DMX connector inputs DMX signal to unit.

**DMX OUTPUT CONNECTOR:** (5 PIN XLR) Provides an active driven DMX source to additional fixtures.

For maximum noise immunity, the DMX input signal is disconnected. A passive connection (direct wire) from input to output is made.

**DMX CHANNEL SELECT DIP SWITCH:** This sets the strobe to respond to a given pair of DMX channels. Set it to the DMX channel you want the intensity control to respond. The rate control will automatically respond to the next channel. For example, if you want intensity on channel 148 and rate on channel 149, set the Dip Switch to 148 as shown below.

OFF	ON		
#		256	
	#	128	
#		64	128
#		32	
	#	16	+16
#		8	+ 4
	#	4	<hr/>
#		2	148
#		1	

**POWER LED:** This LED lights when plugged into live outlet.

**STATUS LED:** This LED blinks with the flash signal and stays on continuously when a temperature overload exists.

**SPEED RANGE:** 15 FLASHES/SEC FASTEST / 15 FLASHES/MIN SLOWEST  
 Single Flash Operation can be performed by bumping the intensity channel with Rate Off.

**HYPERFLASH:** The intensity channel must be off to activate HYPERFLASH. Bumping the Rate Channel with intensity Off will trigger a HYPERFLASH. Five different effects can be triggered depending on the rate channel level (See Table Below)

LEVEL RANGE	SETTING	HYPERFLASH EFFECT	RECYCLE TIME
1-20%	10%	CONTINUOUS	N/A
21-40%	30%	LIGHTNING	1/2 SECOND
41-60%	50%	FADE OFF	1.4 SECONDS
51-80%	70%	CROSSFADE	2.25 SECONDS
81-100%	90%	HYPERBLAST	1/2 SECOND

Model	Voltage	Power Draw (Amps)	StrobesBranchCkt
		Average Peak	
ESM-DMX / 220Volt	100 - 130	3A 35A (3ms)	4 per 20 Amp circuit
ESM-DMX / 240Volt	200 - 250	1.5A 35A (1.5ms)	4 per 16 Amp circuit