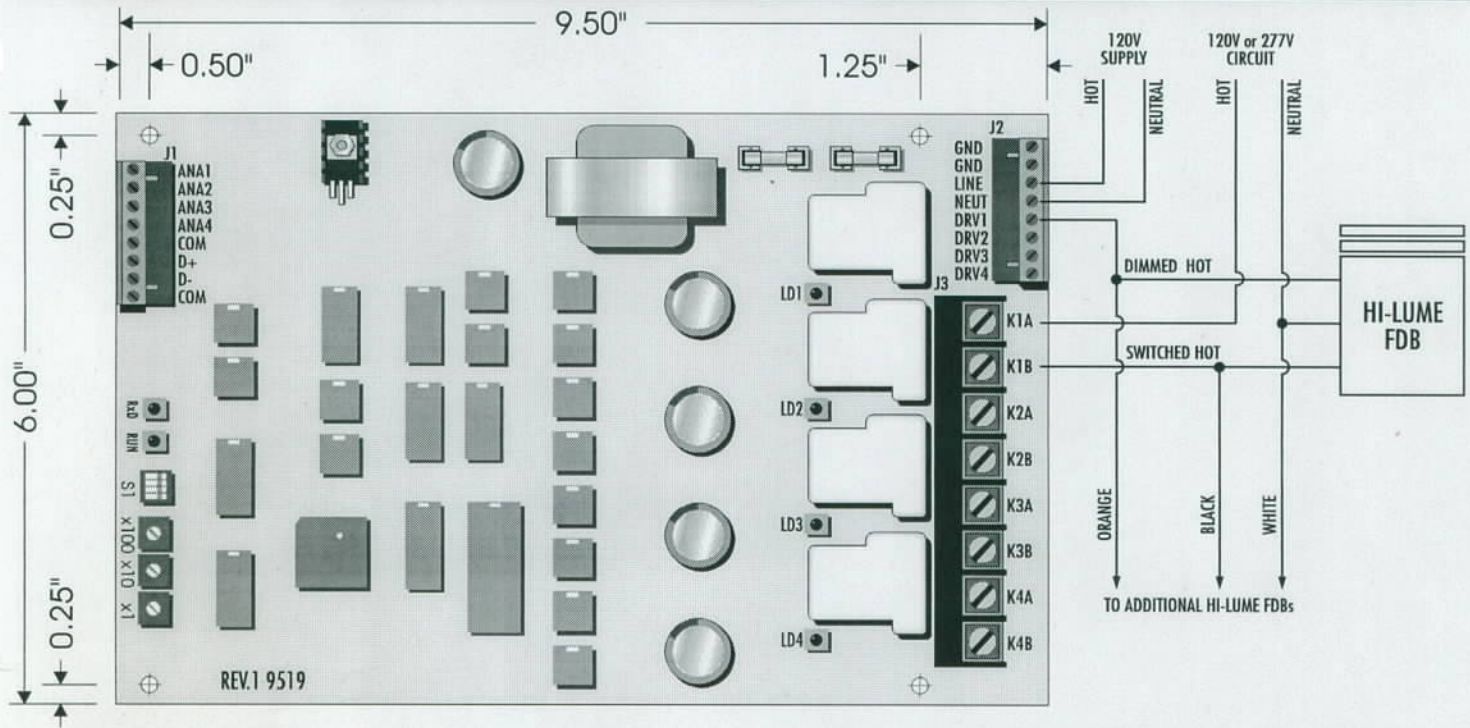


LDIM-4 FLUORESCENT DIMMING BALLAST CONTROLLER



CONNECTOR LEGEND

J1	ANA1	0-10VDC Analog input
	ANA2	0-10VDC Analog input
	ANA3	0-10VDC Analog input
	ANA4	0-10VDC Analog input
	COM	Analog input common
	D+	DMX Data+ input signal
	D-	DMX Data- input signal
	COM	Data common
J2	GND	AC Ground
	GND	AC Ground
	LINE	120VAC 60Hz 1A power supply input
	NEUT	
	DRV1	Ballast 1 control signal
	DRV2	Ballast 2 control signal
	DRV3	Ballast 3 control signal
	DRV4	Ballast 4 control signal
J3	K1A	Ballast 1 AC hot input
	K1B	Ballast 1 switched hot
	K2A	Ballast 2 AC hot input
	K2B	Ballast 2 switched hot
	K3A	Ballast 3 AC hot input
	K3B	Ballast 3 switched hot
	K4A	Ballast 4 AC hot input
	K4B	Ballast 4 switched hot

LED INDICATORS

Two LEDs are used to indicate processor/power supply status and data receive detection.

RUN Glowing solidly indicates power supply and processor OK; off indicates no power, and flashing indicates defective processor hardware.

RxD Glowing solidly indicates data signal received; off indicates no signal present. Note that an address selection out of the range of the data signal will extinguish the LED.

LD1-LD4 indicate ballast control (drive) level. The LEDs increase in brightness in proportion to the signal level.

ADDRESS SELECTION

Three rotary switches select the DMX offset start address for the card's four channels. The switches are set as hundreds, tens and units. Address 000 and 001 both select DMX address 1.

BALLAST TYPE

	S1-1
OSPCU SERIES	OFF
FDB & ECO SERIES	ON

DIMMING CURVE

	S1-2
STANDARD FLUORESCENT	OFF
LINEAR CURVE	ON

Use the standard fluorescent curve for most applications.

TEST MODE

	S1-4
RUN MODE	OFF
TEST MODE	ON

When enabled, all four outputs are turned on at full. Use this setting as a bypass if a control signal is not available.

NOTES

GENERAL

The control interface is designed to directly control Lutron FDB, ECO and OSPCU series electronic fluorescent dimming ballasts from industry standard low voltage lighting control signals. Four separate channels of control are provided on each interface card. The interface card is capable of driving 120 or 277 volt ballasts with no modification.

INPUTS

Each channel of dimming is capable of individual control from 0-10VDC (analog) and DMX512 (digital) control sources. Where both sources of control are connected, they will function in a highest level takes precedence (pile on) mode.

OUTPUTS

Each output consists of a ballast control (drive) lead and a ballast power (hot) lead. Drive outputs are internally fused to protect the interface card against fault currents and miswiring. Each hot output incorporates a relay contact which opens when the control signal level falls below 2 percent, shutting off power to the ballast(s).

CAPACITY

Drive and hot outputs are capable of controlling up to twenty 120V 2-lamp ballasts or forty 277V 2-lamp ballasts per channel.

GRAY INTERFACES **GRAY** INTERFACES **GRAY** INTERFACES **GRAY** INTERFACES **GRAY** INTERFACES