



APPLICATION

The Power Distribution Module(ELK-PD9) conveniently converts a single A.C. or D.C. input into nine individual outputs to centrally power Video Cameras, PIRs, Photobeams, etc. Each output is protected with 250mA auto-resetting PTCs to protect any shorted output from disabling the other outputs. The module has visual LED power indicators on each output and a Master Power On/Off Switch with LED on the input. The module requires a 6 to 30 Volt A.C. or D.C. power source (not included) which connects either to a terminal block or a 2.1mm D.C. power jack located on the module. Note: Refer to Fig 1 for suggested power sources.

FEATURES

- Auto-Resetting (PTC) Overload Protection (NO FUSES to REPLACE).
- Master Power On/Off Switch.
- Visual LED Power Indicators on Input and each Output.
- Convenient Test Points for measuring Total Current Draw.
- Lifetime Limited Warranty.

SPECIFICATIONS

- Max Current Draw from each output: 250mA.
- Max Combined Current Draw: Not to exceed Input Power Source or 2.3A.
- Input/Output Voltage: 6 to 30 Volts A.C. or D.C.
- Input Connection: Screw Terminals or 2.1mm Plug-In DC Jack.
- Output Connection: Screw terminals(POS and NEG) for each output.
- Paintable Plastic Enclosure Size: 6.5" x 4.3" x 2" .

Features and Specifications subject to change without notice.

LIFETIME LIMITED WARRANTY

Elk Products, Inc. ("Manufacturer") warrants to the original purchaser (the "Customer") that the products it manufactures ("Product") shall be free from defects in material and workmanship at time of shipment. Manufacturer's obligations under this Limited Warranty shall be limited to repairing or replacing, at its option, free of charge, any product returned to Manufacturer freight prepaid. Manufacturer shall have no obligation under this Limited Warranty or otherwise if (1) the Product has been damaged by negligence, accident, mishandling, lightning or flood, or other Acts of God, (2) the Product has not been operated in accordance with its operating instructions, (3) the Product has been altered or repaired by anyone outside Manufacturer's authorized facilities (4) adaptations or accessories have been made or attached to the Product which, in Manufacturer's sole determination, have adversely affected its performance, safety or reliability. Products such as batteries and fused transformers have their own warranties, and are not included in this Limited Warranty.

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ELK-PD9 INSTALLATION INSTRUCTIONS

- To remove the cover from the Power Distribution Module (ELK-PD9), use a small object like a screw driver to press into the slots located on the end of the cover. Insure that the power switch is off.
- Using Table 1 or Table 2 below, select an A.C. or D.C. Power Source that provides enough current to power the number of devices to be used. The Power Source voltage must also match the device's voltage requirements. Mount the Power Distribution Module near the Power Source that will be used to power the devices.
- Connect the Power Source to the Power Distribution Module via the Input Power Terminals or the 2.1mm DC jack(J1) located to the right of the terminals.
- Connect a two conductor cable from the Power Distribution Module's Output terminals to the devices to be powered. If desired, the total current draw can be measured at the Master Power Switch using an Ammeter while the switch is off. (figure 2)
- Turn the Master Power Switch on, ensure all leds are on.
- Replace the plastic cover on the Power Distribution Module.

Table 1: Sizing the Power Supply

Calculate the total combined power consumption of all devices. Select a Power Supply which has a Max. Available Power capacity that meets or exceeds the calculated total.

Model #	Voltage Output	Max. Available Power	
		Amps	VA / Watts
ELK-624	12 VDC	1 A	12
ELK-P1216	12 VDC	1.5A	18

Table 2: Quick Power Supply Selection by Number of Devices

Select a column that closely approximates the power consumption of each device. For the desired voltage, select the row that meets or exceeds the number of desired devices. The appropriate Power Supply Model # is shown at left. NOTE: If a device consumes more than the max. rating of a single PD9 output (250 mA), then parallel two or more outputs together to achieve the desired capacity. Use additional PD-9's for every 9 devices or as required.

	@225mA (2.7W)	@200mA (2.4W)	@175mA (2.1W)	@150mA (1.8W)	@125mA (1.5W)	@100mA (1.2W)	@75mA (.9W)
	4	5	5	6	8	10	13
	6	7	8	10	12	15	20

Model #	Voltage Output	Max. Available Power	
		Current	VA / Watts
ELK-624	24 VDC	.8A	19
ELK-T2440 Transformer	24 VAC	1.7A	40

	@225mA (5.4W)	@200mA (4.8W)	@175mA (4.2W)	@150mA (3.6W)	@125mA (3W)	@100mA (2.4W)	@75mA (1.8W)
	3	4	4	5	6	8	10
	7	8	9	10	12	17	21

Figure 2: Power Distribution Module(ELK-PD9)

