

# LIGHTNING ELIMINATORS

WWW.LIGHTNINGPROTECTION.COM

## MV-SPD (Medium Voltage Surge Protection Device)

### Superior Transient Voltage Surge Suppression

LEC's line of Medium Voltage Surge Protection Devices (MV-SPD's) will protect your medium voltage equipment from electrical surges and transients caused by lightning, utilities and other sources. LEC MV-SPD's have been designed specifically for rugged, outdoor applications and will:

- Prevent damage from electrical surges and transients.
- Lower overall production and operating costs.
- Reduce end-of-the-line failures.
- Reduce start-up failures.

### LEC MV-SPD's can protect:

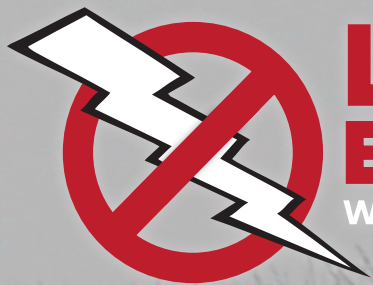
- Control panels, e.g. MCC's
- Variable speed drives (VSD's)
- Variable frequency drives (VFD's)
- Remote terminal units (RTU's)

*Ensuring proper surge protection is critical to uninterrupted operations and serves as a building block to complete lightning protection.*

### MV-SPD Applications Table

Drive Horsepower	Recommended Product
< 25	Sheriff
25-100	Drive Pro or Sub saver
> 100	Heavy Duty Sub saver





# LIGHTNING ELIMINATORS

WWW.LIGHTNINGPROTECTION.COM

## MV-SPD Electrical Specifications

Model Number	Vac Rating	MCOV (AC)	Surge Capacity Per Phase	Modes of Protection	Clamping Volts @ 250A
Drive Pro-480V	480	550	80,000	6	1,400
Sheriff-480V	480	575	10,000	3	1,600
Sheriff-796V	796	575	10,000	3	1,600
Subsaver-1500V	1500	2000	40,000	4	5,400
Subsaver-2500V	2500	3000	40,000	4	8,100
Subsaver-3600V	3600	4000	40,000	4	10,800
Heavy Duty Subsaver-1500V	1500	2000	80,000	6	5,400
Heavy Duty Subsaver-2500V	2500	3000	80,000	6	8,100
Heavy Duty Subsaver-3600V	3600	4000	80,000	6	10,800
Heavy Duty Subsaver-4500V	4500	5000	80,000	6	13,500

## MV-SPD Physical Specifications

Model Number	Weight (pounds)	Dimensions (inches)*	Enclosure (NEMA)
Drive Pro-480V	5	8x6x4	3R
Sheriff (any voltage)	1	4.5x3.5x2.25	4X
Subsaver (any voltage)	8	8x4x3	4
Heavy Duty Subsaver-1500V	26	10x8x4	4
Heavy Duty Subsaver-2500V	26	10x8x4	4
Heavy Duty Subsaver-3600V	26	10x8x4	4
Heavy Duty Subsaver-4500V	32	12x10x5	4

\* Not including top and bottom flanges and elbows.

## MV-SPD Mounting Details

Model Number	Mounting Details
Drive Pro-480V	Enclosure has top and bottom flanges and bottom elbow.
Sheriff (any voltage)	Single hole mounting using nipple.
Subsaver (any voltage)	Enclosure has top and bottom flanges and removable elbow.*
Heavy Duty Subsaver-1500V	Enclosure has top and bottom flanges and removable elbow.
Heavy Duty Subsaver-2500V	Enclosure has top and bottom flanges and removable elbow.
Heavy Duty Subsaver-3600V	Enclosure has top and bottom flanges and removable elbow.
Heavy Duty Subsaver-4500V	Enclosure has top and bottom flanges and removable elbow.
	*It can also be mounted underneath without elbow.

\* Not including top and bottom flanges and elbows.

## Consulting & Technical Support

We are a full-service firm aligned to solve your most complex challenges in surge suppression, grounding, and lightning protection. Call us today at **+1 (303) 447-2828** to learn how our solutions can maximize your operation's potential.