

DTK-LVLP Series VOICE, DATA & SIGNAL SURGE PROTECTION



*The most widely used devices for protecting **life safety** equipment; LVLP's can handle virtually any voice, data or signal application. There are even 'system specific' units that cover multiple voltage situations such as card readers and telephone entry systems, see spec sheet "LVLP-CR / TEP / XR".*

FEATURES	BENEFITS
Available in 7 voltage configurations	Use same footprint on all jobs
1 - 8 pair models available, specify prefix 1, 2, 3, 4, 6 or 8	Only pay for protection needed. Stay competitive at bid level
Parallel function	Adds no resistance to circuit Easy installation
Accommodates up to #16 AWG *Specify "AWG" suffix for #14 - 10 AWG	Fits all applications
Automatic reset fusing available, specify SCP	Best protection for systems that allow it
Diode based unit available, specify DTK-Z	Tighter clamping, faster response



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General Specifications - LVLP SERIES

Agency Approvals: UL497B, UL497A (specify)
 Connection Method: Screw terminal (1 - 8 pair, specify)
 Continuous Current: 0.150 Amps ("SCP") 5.0 Amps ("non SCP")
 Protection Modes: L - G (All)
 Operating Temperature: 0°F to 120°F ; 95% Relative Humidity
 Warranty: Limited Lifetime Warranty

Dimensions:

(Z1LVLP-Z4LVLP) 3.00" x 1.64" x 1.62" Weight: .25 lbs Housing: ABS
 Z8LVLP 4.81" x 2.25" x 1.50" Weight: .25 lbs Housing: ABS

Other Specifications

Suffix	D	X	LV	OPX	SPK	SGR	RUV
Nominal Working Voltage:	6V	14V	30V	50V	75V	95V	130V
Maximum Working Voltage:	8VDC	18VDC	38VDC	66VDC	102VDC	127VDC	175VDC
Typical Let-through Voltage:	9-16	20-24	42-52	74-90	108-132	135-165	184-224
Max Surge Current: *	2000A	2000A	2000A	2000A	9000A	9000A	9000A
Max. Energy Dissipation(Joules): *	4	8	17	30	44	60	76

*Per Pair

Z Series Specification

(Z1LVLP-Z4LVLP)

Z8LVLP

Suffix	D	X	LV	D
Nominal Working Voltage:	≤5V	12V	30V	≤5V
Maximum Working Voltage:	6.5VDC	14.5VDC	38VDC	6.5VDC
IEEE C62.41 Clamping Voltage (Peak): Combination Wave Category A	11.3V	21.2V	53.6V	11.6V
Response Time Active Device:	≤1nS	≤1nS	≤1nS	≤1nS
Max Surge Current:	278A	284A	46A	278A
Power Dissipation Active Device (Volt-Amps)(10x1000us): *	6000	6000	6000	3000

*Per Pair

