



# Phase Angle Control to 80A N Series LPC



## FEATURES:

- Suitable for inductive loads
- True linear output phase angle control
- Line voltage compensation
- Selectable Soft Start
- Automatic 50/60Hz operation
- Adjustable voltage limit option Prefix (LPCVL)
- LED input status indicator standard
- Selectable Input
- Relays approved to the following: UL, CSA, VDE and CE
- Solid State Relay Assemblies Rated to 80A/Pole @ 40° C (100% duty cycle)

OUTPUT SPECIFICATIONS	LPC-50DN	LPC-50HDN	LPC-90HDN	LPC-125HDN
Operating Voltage (47-63 Hz) [Vrms]	24-280	48-530	48-530	48-530
Load Current Range [Arms]	.04-45	.04-45	.04-70	.04-80
Transient Overvoltage [Vpk]	600	1200	1200	1200
Max. Surge Current, (16.6ms) [Apk]	625	625	1200	1750
Max. On-State Voltage Drop [Vpk]	1.6	1.7	1.7	1.7
Max. Turn-on Time	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-off Time	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle
Max. I <sup>2</sup> t for fusing (8.3ms) [A <sup>2</sup> sec]	1620	1620	6000	12,700
Max. Off-State Leakage Current [mArms]	10	10	10	10
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5

## INPUT SPECIFICATIONS

0-10VDC  
 0-5VDC  
 2-10VDC  
 1-5VDC  
 4-20mA  
 0-20mA  
 Potentiometer  
 0-135Ω (Change prefix to: LPC35-)  
 Pulse Width Modulation (Change prefix to: LPCPW-)

**Note:**  
 24VAC Power Supply  
 on same Phase as controller  
 REQUIRED

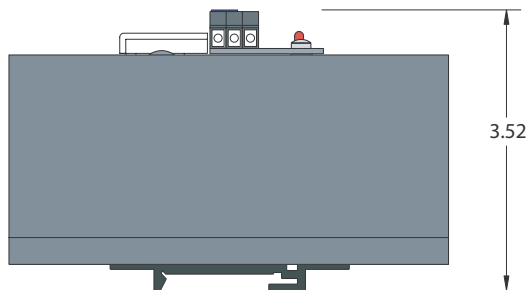
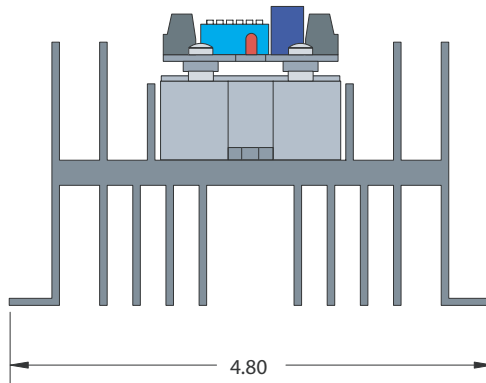
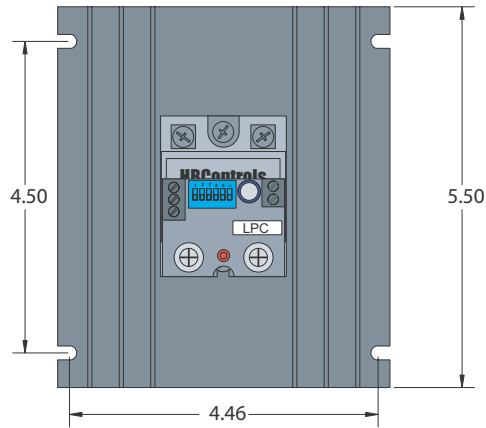
## OPTIONS:

- M MOV - External transient voltage suppression
- P Internal transient voltage suppression
- D DIN Mount

## ACCESSORIES

- PS-120 120V to 24V AC power supply (1.5VA)
- PS-240 240V to 24V AC power supply (1.5VA)
- PS-480 480V to 24V AC power supply (1.5VA)

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**Din Mount  
(-D Option)**

