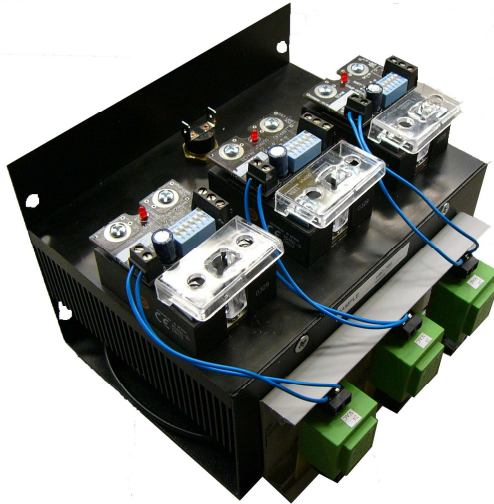




Phase Angle Power Controller to 100/80Amp LPC F7 Series

221 Weaver Street, Fall River, MA 02720

Tel# 508-676-7345 • 800-879-7918 • Fax# 508-676-7346
www.hbcontrols.com



- Solid State Relay assemblies rated to 80A/pole & 100A/pole @ 40°C, respectively (100% duty cycle)
- Suitable for inductive loads
- True linear output phase angle control
- Line voltage compensation
- Selectable soft start
- 90°C over-temp cutout switch standard
- Relays & fan: UL, CSA, VDE, CE
- Automatic 50/60Hz operation
- Adjustable voltage limit option (prefix LPCVL)
- LED input status indicator & panel mount standard
- User selectable input
- Ball bearing fan standard; 50/60 Hz
- (1) Fan options: B - 120VAC fan, C - 240VAC fan, I - 24VDC fan (Add letter of fan to end of part # EX: HBC-125DF73B – Denotes 3 phase, 3 pole, W/ 120VAC fan

Shown: LPC-125DF73B-PS48

OUTPUT SPECIFICATIONS	80Amp		100Amp	
	LPC-90DF73(1)	LPC-690DF73(1)	LPC-125DF73(1)	LPC-6125DF73(1)
	3 Phase / 3 Pole	3 Phase / 3 Pole	3 Phase / 3 Pole	3 Phase / 3 Pole
Operating Voltage (47-63 Hz)	48-530VAC	48-660VAC	48-530VAC	48-660VAC
Load Current Range	0.04-80A	0.04-80A	.04-100A	.04-100A
Transient Overvoltage [Vpk]	1200	1200	1200	1200
Max. Surge Current, (16.6ms) [Apk]	1200	1200	1750	1750
Max. On-State Voltage Drop [Vpk]	1.7	1.7	1.7	1.7
Max. Turn-On	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 ² t for Fusing (8.3mS)	6000	6000	12700	12700
Max Off-State Leakage Current [mAms]	10	5	10	5
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5

INPUT SPECIFICATIONS: (User selectable)

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

Note:

24VAC Power Supply
On same Phase as board

REQUIRED

OPTIONS:

-M MOV – External transient voltage suppression
-P Internal transient protection
-FD Front DIN mount
-D DIN clip
-PSXX Power Supplies mount on front (-PS12 for PS-120, -PS24 for PS-240, -PS48 for PS-480)
-CT Current Transducer

