



# Time Proportioning Power Control to 50A L Series TP



## FEATURES:

- Command input accepts 4-20mA, 0-10V, 0-5V, 0-135Ω, Potentiometer
- Configurable for 4 different cycle times
- Drives multiple solid state relays (SSRs)
- LED output indicator
- Adjustable Power Limit (-PL) Option
- Single phase and three phase control
- Solid State Relay Assemblies rated to 50A/Pole @ 40°C (100% duty cycle)
- Suitable for inductive loads (w -10 option)
- Standard relays approved to the following: UL CE, CSA & VDE
- DIN mount standard

OUTPUT SPECIFICATIONS		
	TP-90HDL	TP-690HDL
Operating Voltage (47-63 Hz) [Vrms]	48-530	48-660
Load Current Range [Arms]	.04-50	.04-50
Transient Overvoltage [Vpk]	1200	1200
Max. Surge Current, (16.6ms) [Apk]	1200	1200
Max. On-State Voltage Drop [Vpk]	1.7	1.7
Max. Turn-on Time	1/2 cycle	1/2 cycle
Max. Turn-off Time	1/2 cycle	1/2 cycle
Max. I <sup>2</sup> t for fusing (8.3mS)	6000	6000
Max. Off-State Leakage Current [mArms]	10	5
Power Factor (Min.) with Max. Load	0.5	0.5

## INPUT SPECIFICATIONS

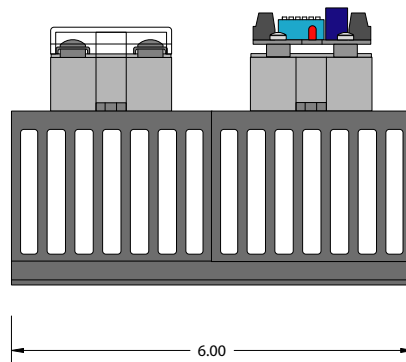
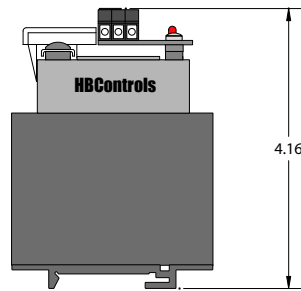
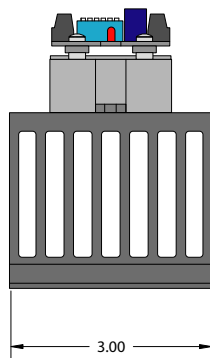
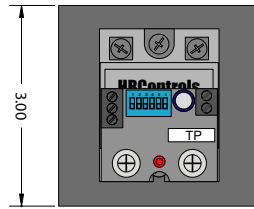
0-10VDC  
 0-5VDC  
 2-10VDC  
 1-5VDC  
 4-20mA  
 0-20mA  
 Potentiometer  
 0-135Ω (TP135-90HDL)

## OPTIONS:

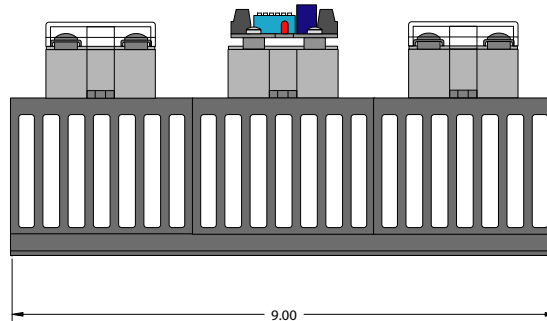
-10 Random turn-on  
 -2 3 Phase / 2 Pole configuration  
 -3 3 Phase / 3 Pole configuration  
 -WH Wiring harness for multi-pole configurations  
 -M MOV - Transient voltage suppression  
 -P Internal transient voltage suppression  
 -TP Through panel-mount  
 -PM Panel Mount  
 -ND No DIN Clip  
 -CT Current Transducer

## 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)



**3 Phase/  
2 Pole  
(-2 Option)**



**3 Phase/  
3 Pole  
(-3 Option)**