



# Time Proportioning Loop Power Control to 40A A Series TPLP



## FEATURES:

- Provides precise time proportioned 0-100% output
- Loop powered - no external power supply required
- 4 to 20mA command signal input
- Drops only 6.3 Volts of total loop voltage
- Drives multiple Solid State Relays (SSRs)
- On board LED Indication
- Solid State Relay Assemblies rated to 40A/Pole @ 40°C (100% duty cycle)
- Suitable for inductive loads (w -10 option)
- Standard relays approved to the following: UL CE, CSA & VDE

OUTPUT SPECIFICATIONS	TPLP-25DA	TPLP-25HDA	TPLP-50DA	TPLP-50HDA	TPLP-90HDA	TPLP-690HDA
Operating Voltage (47-63 Hz) [Vrms]	24-280	48-530	24-280	48-530	48-530	48-660
Load Current Range [Arms]	.04-20	.04-20	.04-30	.04-30	.04-40	.04-40
Transient Overvoltage [Vpk]	600	1200	600	1200	1200	1200
Max. Surge Current, (16.6ms) (Apk)	250	250	625	625	1200	1200
Max. On-State Voltage Drop [Vpk]	1.6	1.7	1.6	1.7	1.7	1.7
Max. Turn-on and Turn-off Time	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle
Max. I <sup>2</sup> t for fusing (8.3mS)	260	260	1620	1620	6000	6000
Max. Off-State Leakage Current [mArms]	10	10	10	10	10	5
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5	0.5	0.5

## INPUT SPECIFICATIONS

4-20mA

### INPUT Option:

Zero and Span Pots

(Change Prefix to: TPLPZ-)

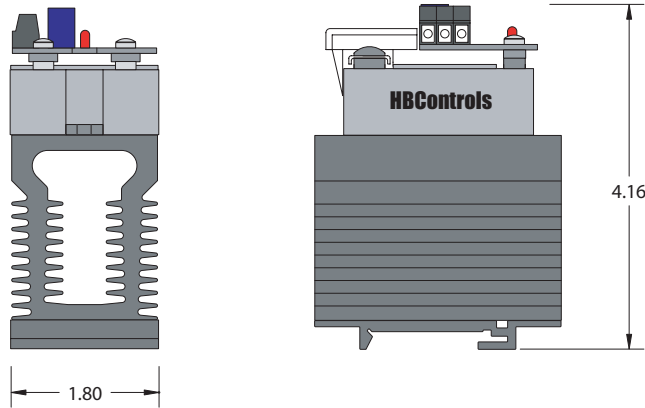
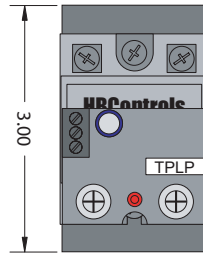
Ex.: TPLP-25DA = TPLPZ-25DA

## OPTIONS:

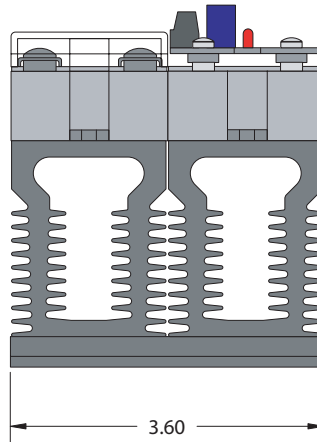
- 10 Random turn-on
- 2 3 Phase / 2 Pole configuration
- 3 3 Phase / 3 Pole configuration
- WH Wiring harness for multi-pole configurations
- M MOV - External transient voltage suppression
- P Internal transient voltage suppression
- TP Through panel-mount
- PM Panel Mount
- ND No DIN Clip
- CT Current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



# Time Proportioning Loop Power Control to 40A A Series TPLP



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



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

