



Time Proportioning Loop Power Control to 25A S 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 25A/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-	TPLP-	TPLP-	TPLP-	TPLP-	TPLP-
	25DS	25HDS	625HDS	50DS	50HDS	650HDS
Operating Voltage (47-63 Hz) [Vrms]	24-280	48-530	48-660	24-280	48-530	48-660
Load Current Range [Arms]	.04-15	.04-15	.04-15	.04-25	.04-25	.04-25
Transient Overvoltage [Vpk]	600	1200	1200	600	625	1200
Max. Surge Current, (16.6ms) [Apk]	250	250	250	625	625	625
Max. On-State Voltage Drop [Vpk]	1.6	1.7	1.7	1.6	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 ² t for fusing (8.3mS)	260	260	260	1620	1620	1620
Max. Off-State Leakage Current [mArms]	10	10	5	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-)

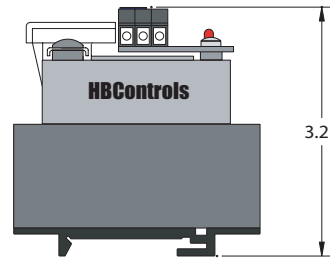
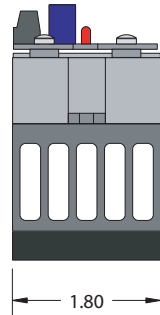
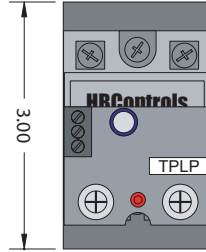
Ex.: TPLP-25DS = TPLPZ-25DS

OPTIONS:

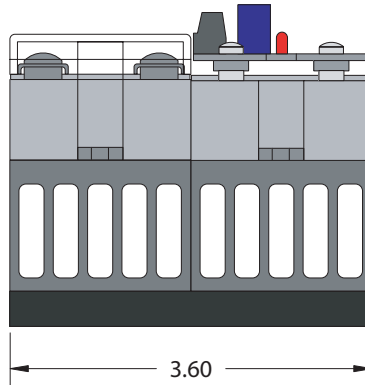
- 10 Random turn-on
- 2 3 Phase / 2 Pole configuration
- 3 3 Phase / 3 Pole configuration
- WH Wiring harness for multi-pole configurations
- M MOV - External transient voltage suppression
- P Internal transient voltage suppression
- TP Through panel-mount
- PM Panel Mount
- ND No DIN Clip
- CT Current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



Time Proportioning Loop Power Control to 25A S Series TPLP



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



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

