



Time Proportioning Power Control to 80A N 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 80A/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	TP-50DN	TP-50HDN	TP-90HDN	TP-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 ² t for fusing (8.3mS) [A ² 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 (TP135-90HDN)

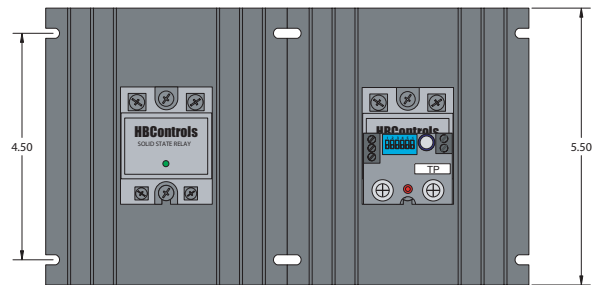
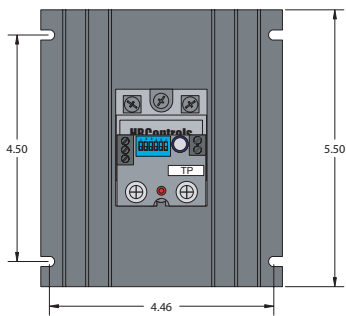
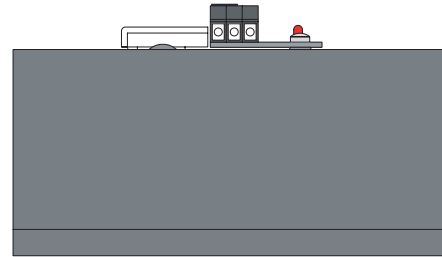
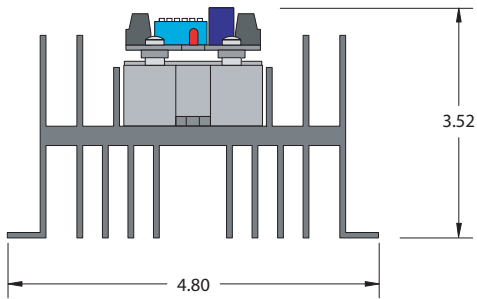
OPTIONS:

- 10 Random turn-on
- 2 3 Phase / 2 Pole configuration
- WH Wiring harness for multi-pole configurations
- M MOV - External transient voltage suppression
- P Internal transient voltage suppression
- D DIN Clip

ACCESSORIES

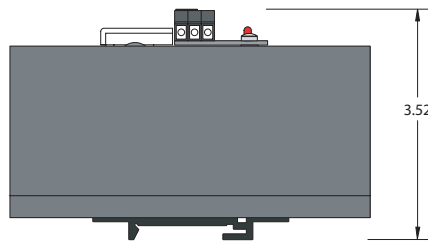
- PS-120 120V to 24V AC power supply (1.5VA)
- PS-240 240V to 24V AC power supply (1.5VA)
- PS-480 480V to 24V AC power supply (1.5VA)

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

**Din Mount
(-D Option)**



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

