



# Time Proportioning Power Controller to 100A G Series TP



## FEATURES:

- Command input accepts 4-20mA, 0-10V, 0-5V, Potentiometer (Others available)
- 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 100A/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-90HDG  | TP-125HDG | TP-690HDG | TP-6125HDG |
| Operating Voltage (47-63 Hz) [Vrms]      | 48-530    | 48-530    | 48-660    | 48-660     |
| Load Current Range [Arms]                | .04-80    | .04-100   | .04-80    | .04-100    |
| Transient Overvoltage [Vpk]              | 1200      | 1200      | 1200      | 1200       |
| Max. Surge Current, (16.6ms) (Apk)       | 1200      | 1750      | 1200      | 1750       |
| Max. On-State Voltage Drop [Vpk]         | 1.7       | 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  |
| Max. I <sup>2</sup> t for fusing (8.3mS) | 6000      | 12,700    | 6000      | 12,700     |
| Max. Off-State Leakage Current [mArms]   | 10        | 10        | 5         | 5          |
| Power Factor (Min.) with Max. Load       | 0.5       | 0.5       | 0.5       | 0.5        |

## 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

## INPUT SPECIFICATIONS

0-10VDC  
0-5VDC  
2-10VDC  
1-5VDC  
4-20mA  
0-20mA  
Potentiometer  
0-135 (TP135-25HDA)

## 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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