



# Time Proportioning Loop Power Control to 60A K 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 60A/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	3 Phase / 2 Pole		
	TPLP-90HDXK	TPLP-690HDXK	TPLP-90HDK-2
Operating Voltage (47-63 Hz) [Vrms]	48-530	48-660	48-530
Load Current Range [Arms]	.04-60	.04-60	0.1-40 / pole
Transient Overvoltage [Vpk]	1200	1200	1200
Max. Surge Current, (16.6ms) [Apk]	1200	1200	1200
Max. On-State Voltage Drop [Vpk]	1.7	1.7	1.7
Max. Turn-on Time	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-off Time	1/2 cycle	1/2 cycle	1/2 cycle
Max. I <sup>2</sup> t for fusing (8.3mS)	6000	6000	6000
Max. Off-State Leakage Current [mArms]	10	5	10
Power Factor (Min.) with Max. Load	0.5	0.5	0.5

## INPUT SPECIFICATIONS

4-20mA

### INPUT Option:

Zero and Span Pots

(Change Prefix to: TPLPZ-)

Ex.: TPLP-90HDXK = TPLPZ-90HDXK

## 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
- TP Through panel-mount
- PM Panel Mount
- ND No DIN Clip
- CT Current Transducer

