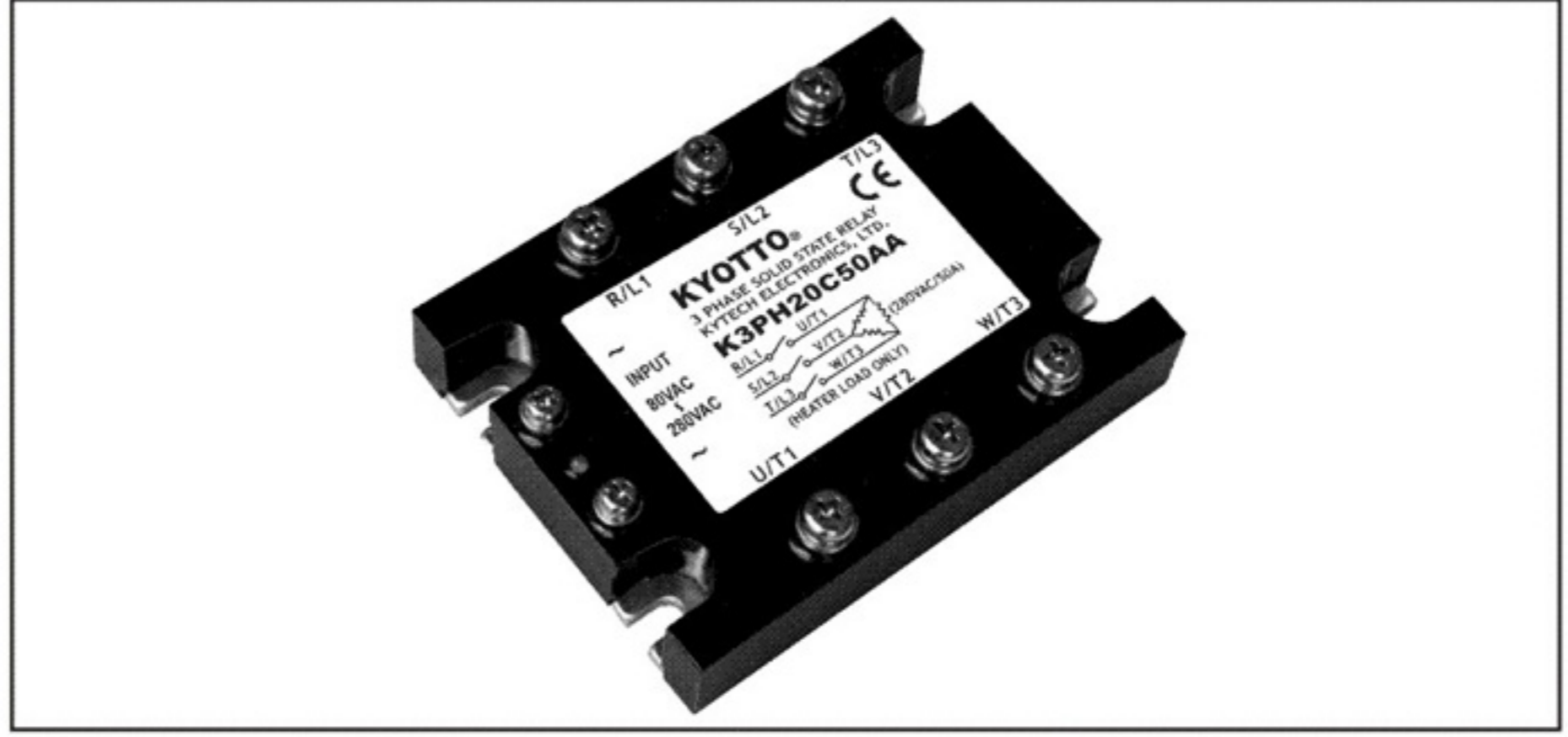


# AC SOLID STATE RELAY

**K3P20C25AA      K3P20C75AA**  
**K3P20C40AA      K3P20C90AA**  
**K3P20C50AA      K3P20C100AA**

(HEATER LOAD ONLY)  
 3PHASE SERIES

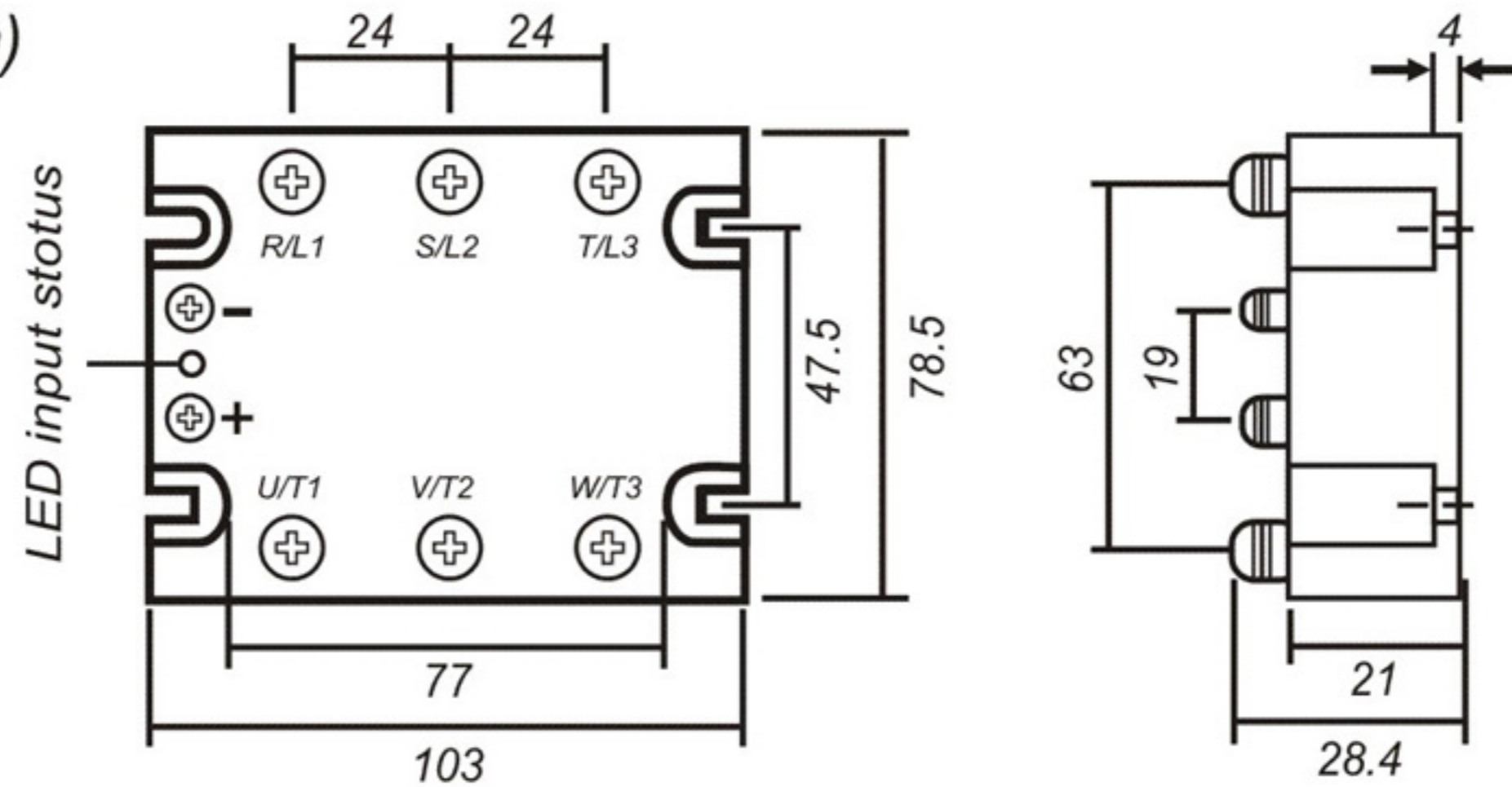


## SPECIFICATIONS

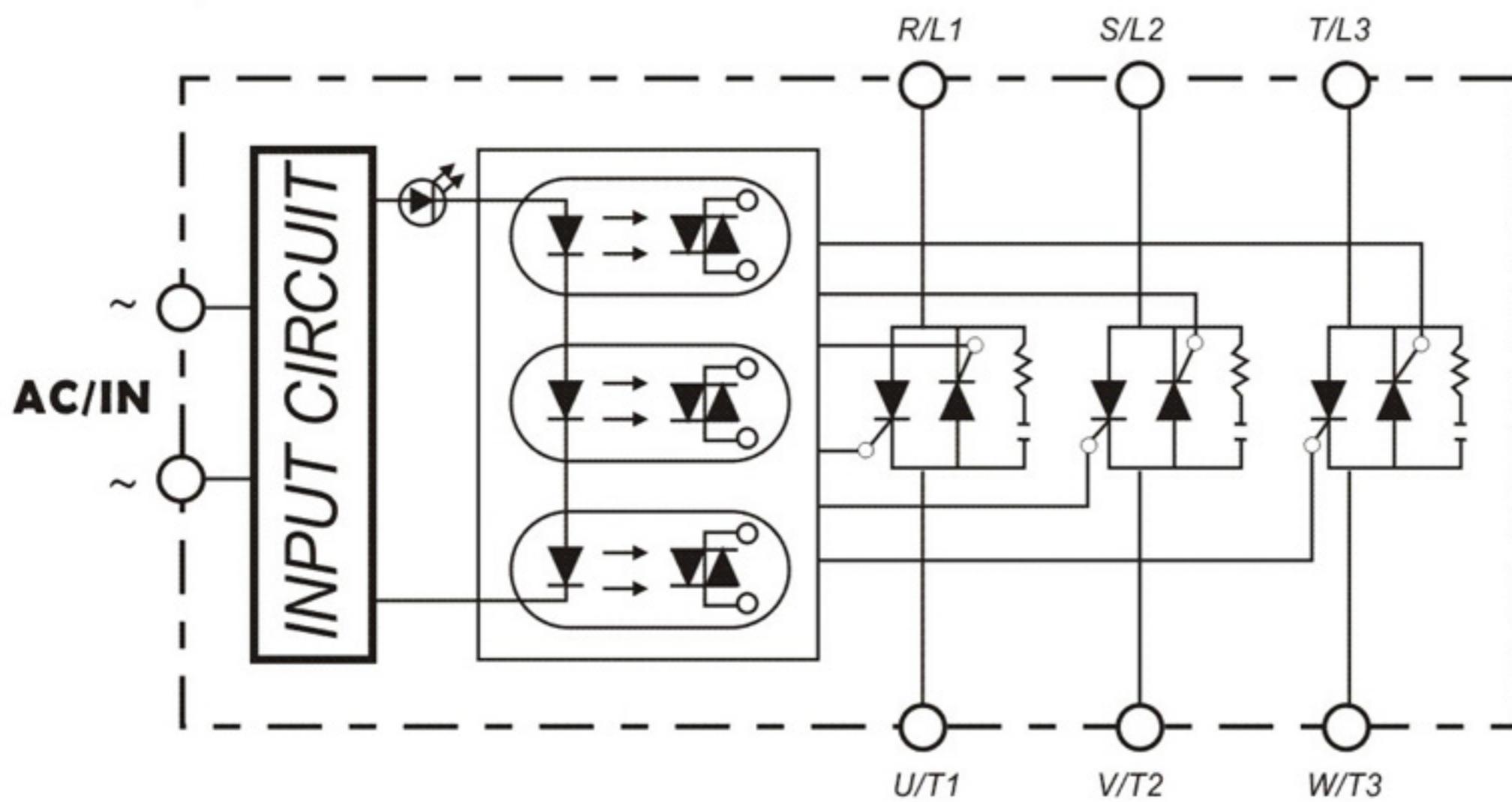
MODEL NO.	CONTROL VOLTAGE RANGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	MAX LOAD CURRENT	LOAD VOLTAGE RANGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
K3P20C25AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	2.5 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	31.5 A
K3P20C40AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	4.0 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	45.0 A
K3P20C50AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	5.0 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	56.0 A
K3P20C75AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	7.5 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	75.0 A
K3P20C90AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	9.0 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	90.0 A
K3P20C100AA	80~280VAC	MAX 9.5 VDC	1.5Kohm	10.0 A	24~280VAC	600VAC	LESS 10 mA	47-63HZ	103.0 A

MODEL NO.	MAX OFF STATE dv/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT-OUTPUT-CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
K3P20C25AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g
K3P20C40AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g
K3P20C50AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g
K3P20C75AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g
K3P20C90AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g
K3P20C100AA	250V/ $\mu$ SEC	1.6Vrms	$10^9$ ohm	2500Vrms	2500Vrms	LESS1/2mSee	LESS1/2cycle	LESS473pf	600 g

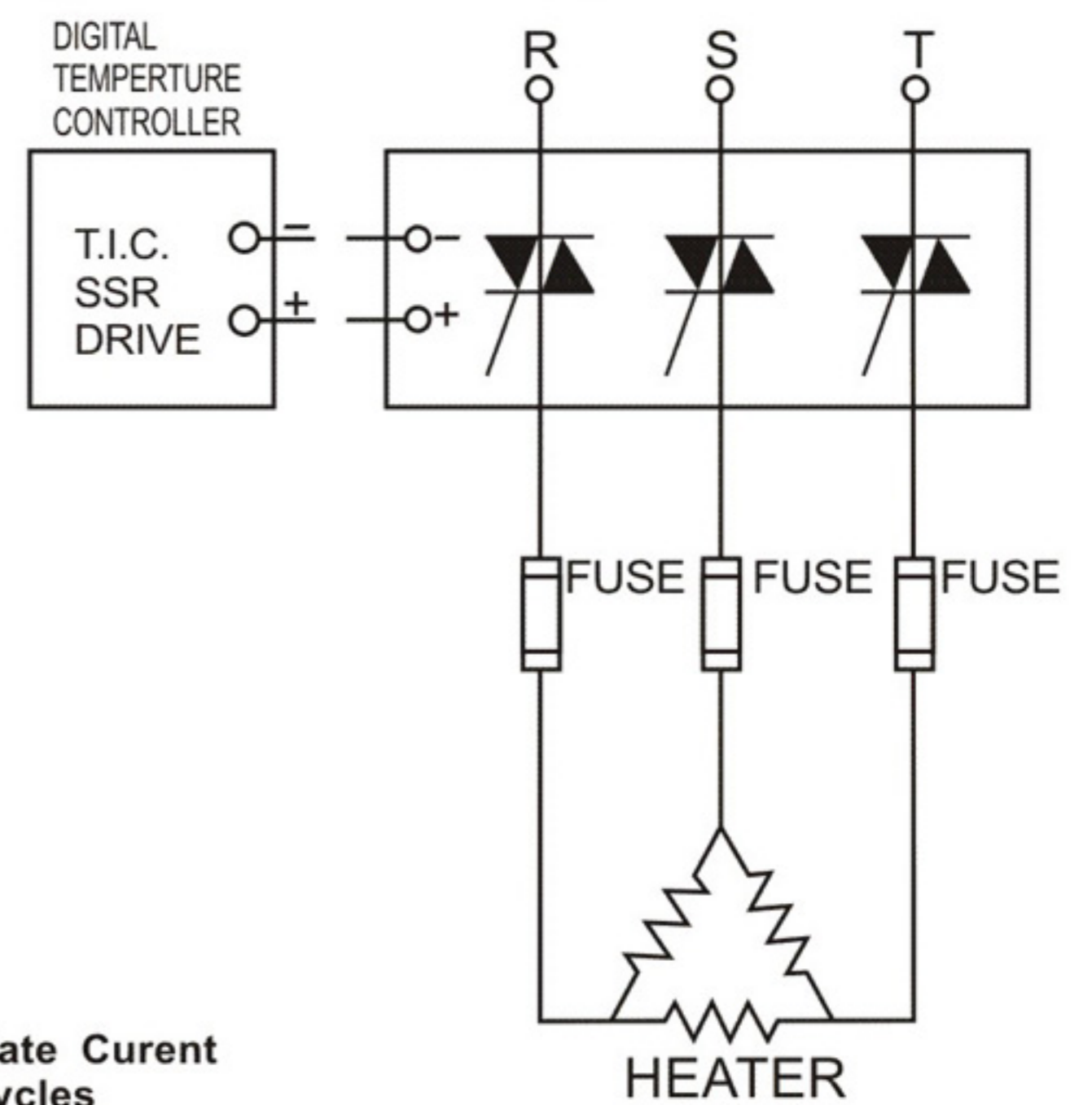
## OUTLINE DIMENSIONS (unit:mm)



## EQUIVALENT CIRCUIT



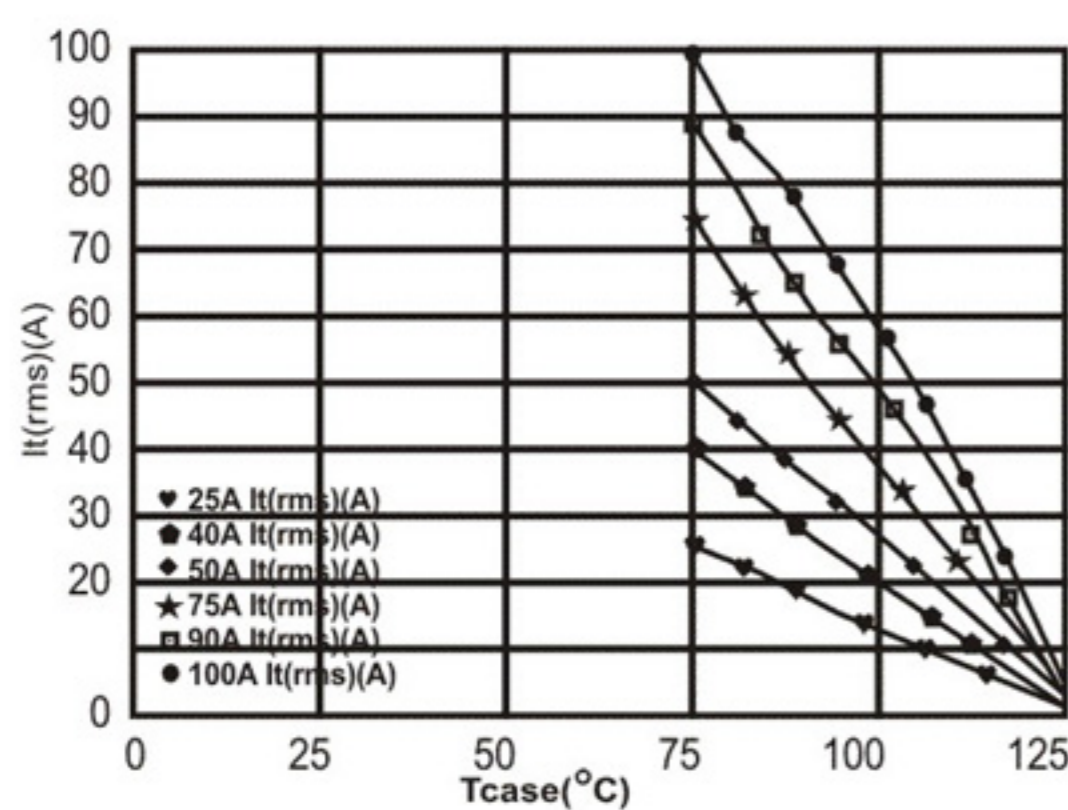
## Example of 3 $\Phi$ SSR Application



## CHARACTERISTIC CURVES

Characteristics curve

RMS On-state Current Versus Case Temperature



Non Repetitive Surge On-state Current Versus Number Of Cycles

