

# DS & TS Series -Three phase SSR



The DS & TS series solid state relays power controllers are available in:

20-150A

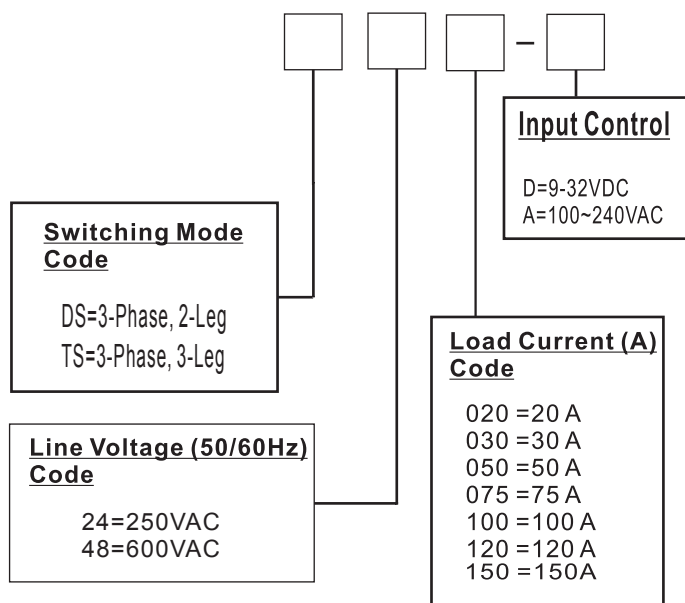
TS series Three-phase, three-leg  
DS series Three-phase, two-leg.

They provide high-reliability control of resistive heating loads up to 150A

- \* Current ratings from 20 to 150A
- \* Output voltage rating to 600 Vac
- \* Zero-cross firing eliminates RFI/EMI
- \* AC or DC control inputs
- \* Optical Isolation - Maintenance free
- \* Replaces mercury and mechanical contactors
- \* Extends heater life by reducing thermal shock
- \* Input Led indication
- \* -10 to 50°C operating temperature



## Ordering Information



## Specifications

### INPUT SPECIFICATIONS

Control Voltage: 9-32 Vdc and 100-240 Vac  
Drop-Out Voltage: 7.0 Vdc  
Maximum Input Current: 12 mA







### OUTPUT SPECIFICATIONS

Continuous On-State  
Current: 3-phase, 3-leg 20 - 150A  
3-phase, 2-leg 20 - 150 A  
Minimum  
On-State Current: 0.6A  
On-State Voltage Drop: 100V peak

### GENERAL SPECIFICATIONS

Storage Temperature: -10 to 50 °C  
Input/Output Isolation Voltage: 1200 Vrms  
Input/Output to  
Ground Isolation Voltage: 1200 Vrms  
Line Voltage: 100 to 250 Vac or 100 to 600 Vac  
Line Frequency: 50 to 60 Hz

(LXWXH)mm

<b>DS2420</b> <b>DS4820</b>  143X128X116mm(1000g)      143X128X170mm(1500g)	<b>20A</b> <b>TS2420</b> <b>TS4820</b>	<b>DS2475</b> <b>DS4875</b>  173X128X170mm(2000g)      173X128X170mm(2200g)	<b>75A</b> <b>TS2475</b> <b>TS4875</b>
<b>DS2430</b> <b>DS4830</b>  143X128X170mm(1500g)      143X128X170mm(1600g)	<b>30A</b> <b>TS2430</b> <b>TS4830</b>	<b>DS24100</b> <b>DS48100</b>  173X128X170mm(2000g)      236X128X170mm(2500g)	<b>100A</b> <b>TS24100</b> <b>TS48100</b>
<b>DS2450</b> <b>DS4850</b>  173X128X170mm(2000g)      173X128X170mm(2200g)	<b>50A</b> <b>TS2450</b> <b>TS4850</b>	<b>DS24120/150</b> <b>DS48120/150</b>  173X128X170mm(2000g)      236X128X170mm(2500g)	<b>120/150</b> <b>TS24120/150</b> <b>TS48120/150</b>

## Terminal Conection:

