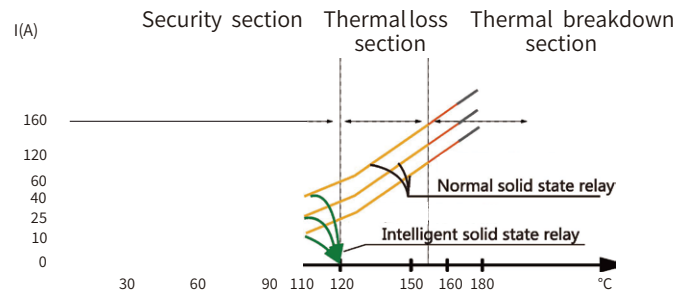


Temperature Comparison Table (Table1 Temperature Thermal Protection)

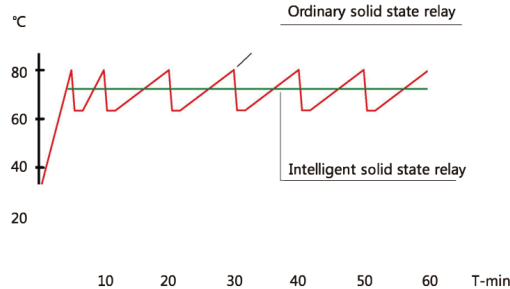


Working status comparison between Intelligent solid state relay and original solid state relay

The green line represents the intelligent solid state relay

- Adjust the load current automatically when temperature achieve more than 110 degree centigrade, Reduce power output to reach thermal equilibrium, so there is no moderate thermal breakdown, service life can be increased.
- When reused next time, intelligent solid state relay's electrical property can recover automatically, while the ordinary solid state relay can't be resume normal work after the temperature is more than 110 degree centigrade.

Table2: Heat Balance Inside Of The Shell- Intelligent Balance Of The Environmental Temperature



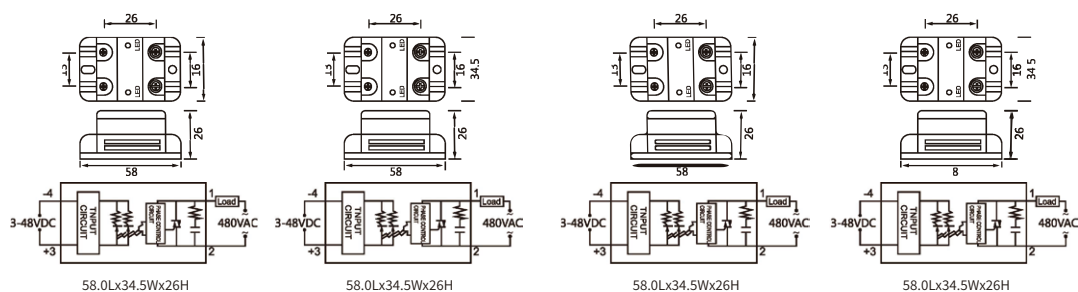
Working status comparison between Intelligent solid state relay and original solid state relay

- When Ordinary solid state relay and temperature control switch is working, it produce over temperature protection and turn off the power supply automatically, will cause the intermittent work of output power.
- When the I-SSR works, will have the thermal equilibrium function while produce over temperature to ensure continous work.



Model	ISSR-10DA	ISSR-15DA	ISSR-25DA	ISSR-40DA
Load Current	10A	15A	25A	40A
Load Voltage	24-480VAC	24-480VAC	24-480VAC	24-480VAC
Control Voltage	3-48VDC	3-48VDC	3-48VDC	3-48VDC
Control Current	3-20mADC	3-20mADC	3-20mADC	3-20mADC
On Voltage	≤ 1.5VAC	≤ 1.5VAC	≤ 1.5VAC	≤ 1.5VAC
Off-state Leakage Current	≤ 4mA	≤ 4mA	≤ 4mA	≤ 4mA
Time Off	≤ 10ms	≤ 10ms	≤ 10ms	≤ 10ms
Dielectric Strength	2500VAC	2500VAC	2500VAC	2500VAC
Insulation Resistance	100MΩ /500VDC	100MΩ /500VDC	100MΩ /500VDC	100MΩ /500VDC
Ambient Temperature	-25-+75°C	-25-+75°C	-25-+75°C	-25-+75°C
Mounting Methods	M4 Bolt Mounting	M4 Bolt Mounting	M4 Bolt Mounting	M4 Bolt Mounting
The work instructions	Dual LED: (Green: Operation; Red: Fault)	Dual LED: (Green: Operation; Red: Fault)	Dual LED: (Green: Operation; Red: Fault)	Dual LED: (Green: Operation; Red: Fault)
Weight	50g	50g	50g	50g

Overall Dimensions



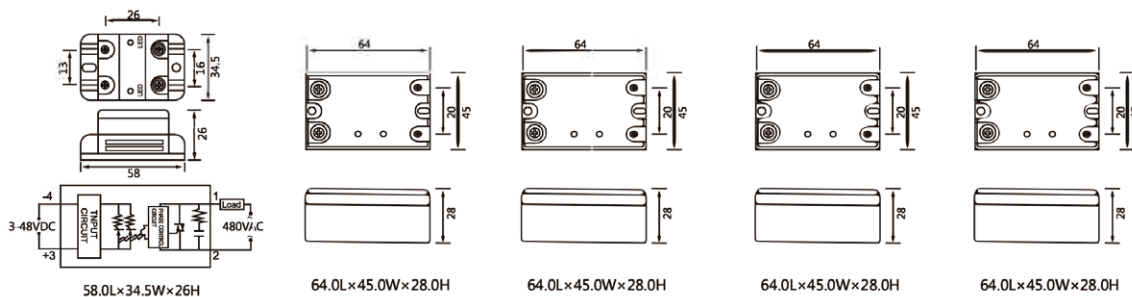
Instruction:

- 1、load current 10A,should install radiator,upwards 40A should add fan for force cooling or water cooling.
- 2、 When using Inductive load, please add a varistor at the output side, the value is 1.6-1.9 mutiple of load voltage.



Model	ISSR-60DA	ISSR-80DA	ISSR-90DA	ISSR-100DA	ISSR-120DA
Load Current	60A	80A	90A	100A	120A
Load Voltage	24-480VAC	24-480VAC	24-480VAC	24-480VAC	24-480VAC
Control Voltage	3-48VDC	3-48VDC	3-48VDC	3-48VDC	3-48VDC
Control Current	3-20mADC	3-20mADC	3-20mADC	3-20mADC	3-20mADC
On Voltage	$\leq 1.5VAC$	$\leq 1.5VAC$	$\leq 1.5VAC$	$\leq 1.5VAC$	$\leq 1.5VAC$
Off-state Leakage Current	$\leq 4mA$	$\leq 4mA$	$\leq 4mA$	$\leq 4mA$	$\leq 4mA$
Time Off	$\leq 10ms$	$\leq 10ms$	$\leq 10ms$	$\leq 10ms$	$\leq 10ms$
Dielectric Strength	2500VAC	2500VAC	2500VAC	2500VAC	2500VAC
Insulation Resistance	100M Ω /500VDC	100M Ω /500VDC	100M Ω /500VDC	100M Ω /500VDC	100M Ω /500VDC
Ambient Temperature	-25~+75°C	-25~+75°C	-25~+75°C	-25~+75°C	-25~+75°C
Mounting Methods	M4 Bolt Mounting	M4 Bolt Mounting	M4 Bolt Mounting	M4 Bolt Mounting	M4 Bolt Mounting
The work instructions	Dual LED: (Green:Operation; Red: Fault)	Dual LED: (Green:Operation; Red: Fault)	Dual LED: (Green:Operation; Red: Fault)		
Weight	65g	135g	135g	135g	135g

Overall Dimensions



Instruction:

- 1、load current 10A,should install radiator,upwards 40A should add fan for force cooling or water cooling.
- 2、 When using Inductive load, please add a varistor at the output side, the value is 1.6-1.9 mutiple of load voltage.