

Aeon Electric**Solid State Relay**

HGN(Series 1 Crycom)Industry Standard Package
AC&DC control, contact rating 10~125A,140~280VAC

The dimensions and mounting pitches have been integrated into global standard to be available for general purpose application.

Zero voltage turn-on,zero current turn-off. Input loop and output loop light isolated. Input-output-base isolated strength 4000V L.E.D. indicator(function aqnd alarm) internal RC snubber.

**Applcation:****1.Resin Forming**

Applies to the heater control by a forming machine for PET bottle or plastics.

2.Thermal Process of Paper or Fiber Product

Applies to thermal process control for sealing of paper box or fiber processing.

3.Manufacture and Inspection of Semiconductor

Suitable for small-sized equipment for high-precision temperature control, which is opened and closed frequently. An effective operation can be achieved.

4.Food Wrapping

Applies to heat sealing of non-perishable food box.

5.Molding

Available for the heater control of metal frame or chassis forming of high output and large capacity.

6.Pottery Processing

Use in thermal process of pottery.

Expecial using in corresion, humidity, anti-explode scurvines circumstance, or random turn-on switching versions.

Selection code	Working voltage	Rated current	Input voltage
HGN	2	10	D
	2:220VAC	05:5A	A:90~280VAC
	3:380VAC	10:10A	B:3~12VDC
		20:20A	C:3~14VDC
		40:40A	D:3~32VDC
		60:60A	E:10~40VDC
		80:80A	

HGN SSR

General characteristics:

Model	HGK-210D
Turn-on time	Load power supply 1/2expect + <1ms (DC input) Load power supply 1/2expect + <1ms(AC input)
Turn-off time	
Insulation resistance	100M(ohm) min.(500VDC)
Dielectric strength	2500VAC,50/60Hz 1 min
Vibration	10~55Hz 1.5mm again swing
Shock	1.000m/S2(~100G)
Working temperature	-25'C~+70'C
Weight	120g

Technical data:

Output:(for all models)	Model->	HGN			
Max.Load current	ARMS	10	25	40	80
Voltage drop	VAC	1.5	1.6	1.6	1.6
output leakage	mA	1.5	1.5	1.5	1.5
Voltage range	VAC	24~330 48~440	24~330 48~440	24~330 48~440	24~330 48~440
Over voltage rating	PIV	600	600	600	600
Frequency range	Hz	47~63	47~63	47~63	47~63
Zero voltage switching		YES	YES	YES	YES

Input:(for all models)	Model->	HGN-210B	HGN-210C	HGN-210D	HGN-210E
Max.Load current	VDC	3~12	3~14	3~32	10~40
Turn-on voltage(Min)	VDC	3	3	3	10
Turn-off voltage(Max)	VDC	1.5	1.5	1.5	1.5
Reverse voltage	VDC	12	14	32	40
Input:(for all models)	Model->	HGN-210A			
Max.Load current	VAC	90~280	90~280	90~280	90~280
Turn-on voltage(Min)	VAC	90	90	90	90
Turn-off voltage(Max)	VAC	20	20	20	20
Reverse voltage		N/A	N/A	N/A	N/A