

SG4 & SO4 Range - Phase Angle Controller

This relay is designed to proportionally vary the switching point on a sinusoidal mains from an analog input, thereby varying the RMS voltage of the load.

Applications: light dimmer, heating regulation, single phase variable speed control (vibrating feeders, etc). Model with LED and RC and VDR networks.

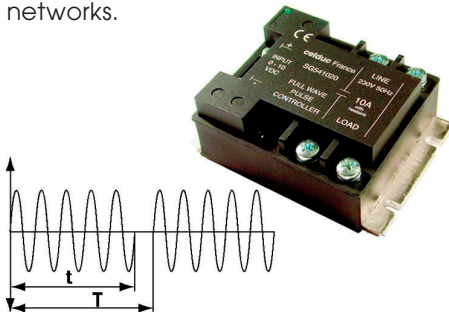


SG4 Series		SO4 Series Specification NEW PRODUCT			
PART NUMBER	SWITCHING		CONTROL INPUT	PART NUMBER	TRADE PRICE
	CURRENT	VOLTAGE			
SG441020	50A	100~280Vac	0 ~ 10Vdc	SO445020①	
SG444020	50A	100~280Vac	0 ~ 10Vdc	SO445020①	
SG444120	50A	100~280Vac	Potentiometer	SO445320①	
SG444 420	50A	100~280Vac	4 ~ 20mA	SO445420	
SG464020	50A	200~480Vac	0 ~ 10Vdc	SO465020①	③
SG464120	50A	200~480Vac	Potentiometer	SO465320①	③
SG464420	50A	200~480Vac	4 ~ 20mA	SO465420	③
SG468020	95A	200~480Vac	0 ~ 10Vdc	SO468020①	
SG468420	95A	200~480Vac	4 ~ 20mA	SO468420	
SG469020	125A	200~480Vac	0 ~ 10Vdc	SO469020①	

- ① To change from the SG4 series an 8~30Vdc power supply is required.
 - ② The SG4 has a larger foot print of 100x73.5 mm. The SO4 is 58.5x45 mm.
 - ③ Normally stocked items. Other relay stocks may vary.
- For further details go to www.celduc.com and select Relays.

SG5 Range - Full Wave Pulse Controller

This relay has an analog input isolated from the mains to proportionally vary the cyclic operating ratio of a load (t/T). Control and mains are synchronous and output only has full periods. Model with LED and RC and VDR networks.



PART NUMBER	SWITCHING		CONTROL INPUT	INPUT R	I _{ft}	TRADE PRICE
	CURRENT	VOLTAGE				
SG541020	10A	230Vac	0 ~ 10Vdc	250kΩ	72A ² s	
SG544120	40A	230Vac	Potentiometer	1MΩ	610A ² s	
SG564020	40A	400Vac	0 ~ 10Vdc	250kΩ	610A ² s	
SG564120	40A	400Vac	Potentiometer	1MΩ	610A ² s	
SG564420	40A	400Vac	4 ~ 20mA	350kΩ	610A ² s	

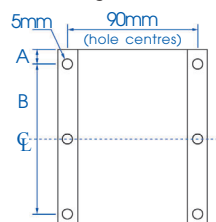
These products must be mounted on a heatsink to reach their rated current

Heatsinks - Screw Mounting

PART NUMBER	THERMAL ①② CHARACTERISTICS	DIMENSIONS mm	MOUNTING HOLES			TRADE PRICE
			A	B	℄	
WHS3-80	1.8 K/W	80H x 100W x 60D	-	-	40	
WHS3-150	1.2 K/W	150H x 100W x 60D	15	120	-	
WHS3-200	1.1 K/W	200H x 100W x 60D	20	160	-	
WHS3-250	1.0 K/W	250H x 100W x 60D	10	220	120	

- ① Also known as °C/W.
- ② Estimated rating based on an air temperature of 50°C.

Mounting Dimensions:



Overall Dimensions:

