

- Analogue controller for accurate process control
- Phase angle or burst firing control of heaters, lamps, trafos
- Rated operational voltage range: 230VAC, 480VAC
- Rated operational current up to 30A or 50A AC1
- Current Loop Control: 0-20mA, 4-20 mA
- Voltage Control: 0-10 VDC
- Manual Control: 10 kohm potentiometer
- Reverse action operation possible

Item selection and technical specifications												
Load AC-1/51 Heating- element	Load AC-3 Motor*	Load AC-55b Lamp	Load AC-56a Trans- former	Analogue control input signal		ltem number by 110-127VAC 50/60Hz Line Voltage		ltem number 208-230VAC 5 Line Voltage	Iber by AC 50/60Hz Ige		by 50/60Hz	Module- width
30A	15A	30A	30A	0-20 4-20	/ 20-0 mA, / 20-4 mA			SPC 1 AD 2	330 SPC 1 AD 4		030	45mm
50A	15A	30A	30A	0-10 / 0-10 /	10-0 VDC, 10-0 kohm			SPC 1 AD 2	350 SPC 1 AD 4		050	90mm
Output load specification												
Leakage current 1					1mA ACm	max. Min. or		operational current			10mA	
Duty cycle 100												
Load power by 30A / 230VAC 0-6.9kW							Load power by 50A / 230VAC				0-11.5kW	
Load power by 30A / 400VAC					0-12kW		Load power by 50A / 400VAC				0-20kW	
Control terminal specifications												
Current Loop Control Voltage drop 3 Volt Max. 0 - 20 mA / 20 - 0 mA							Manual Control with potentiometer				0-10 kohm / 10-0 kohm	
Current Loop Control Voltage drop 3 Volt Max. 4 - 20 mA / 20 - 4 mA												
Voltage Control Input resistance 300 kohm min.					0-10 V / 10-0 V		Control Voltage supply				24VAC/24VDC max. 30 mA	
Thermal specification												
Power dissipation for continuous operation PDmax 1.2 W/A							Operation in ambient temperatures exceeding 40 ^o C is possible if the power dissipation is limited either by reducing the steady-state current or by reducing the duty-cycle as shown in the table. Max.cycle time 15min.					
Power dissipation for intermittent operation PD 1.2 W/A x dutycycle												
Cooling method				Natural convection		Ву 40 ⁰ С		By 50 ^o C		By 60°C		
Mounting				Vertical +/-30 ⁰		100% load Duty-cycle 100%		80% load Duty-cycle max. 0.8		70% load Duty-cycle max. 0.65		
Operating temperature range EN 60947-4-3 -5°C to 40°C						Environment						
Max. operating temperature with current derating					60 ⁰ C		Degree of protection IP 20 Pollution d			egree	3	
Storage temperature EN 60947-4-3 -20°C to 80°C						30 ⁰ C	Approval					
Insulation specifications							CUL Std No. 508 (*No UL approval for AC 3 motor load)					
Rated insulation voltage					Ui 660 V	olt	Code. When protected by a non-time delay K5 or H Class fuse, rated 266% of motor FLA, this device is rated for use on a circuit capable of deli- vering not more than 5,000 rms. symmetrical amperes, 600 V maximum.					
Rated impulse withstand voltage					Uimp. 4 k	Volt						
Installation catagory III							Maximum surrounding temperature 40°C.					

1 Phase electronic analogue power controller (SPC 1)

