

Celab

Fan Speed Controller



- Compact enclosure with universal fixing options.
- Capable of controlling up to 150 watts of cooling fan load through a total of six controlled fan outlets.
- Single dual function thermistor sensor to detect normal ambient and over temperature levels.
- Fan failure detection facility.
- Factory adjustable characteristic to cover a wide range of applications.

Specification	
Input Voltage	42-47 VDC
Output Voltage Range	<20V - 56V DC (link provided to limit to 48VDC)
Temperature Control Range	20°C - 40°C (20°C - fan stopped / 40°C - fan full speed)
Output Current Rating	3A
Efficiency	90%
Protection Features	Short circuit protected
Manual Fan Test Button	Operates fans at full speed
Common Alarm operation	Open and closed relay contact options Thermistor sensor open circuit (Fans default to full speed operation) Ambient over temperature (Factory set) Fan failure (Available on all fan outlets) Input supply failure
Operating temperature	-20°C to +60°C ambient
Cooling	Natural convection
Electrical Connections	Via screw terminal strip. (Refer to installation guide)
Enclosure Dimensions	160mm x 80mm x 53mm (Including mounting bracket)
Celab Part Number	SP1590



- The SP1590 series is designed to vary fan speed proportional to ambient temperatures
- With optimum fan control the SP1590 can reduce unnecessary fan noise, energy consumption and increased operational fan life.