STANDBY®

RSG

TECHNICAL DATA BATTERY GUARD SOLID STATE

Input voltage range	9-32Vdc (Automatic Referencing)
Output voltage	Equal to input voltage when operating (maximum of 100mV drop across terminals)
Transient over current rating (% of continuous value)	110% for 10s 200% for 1s 300% for <0.5ms On over current shutdown there is a retry every 30s
Quiescent current when shutdown (while running)	Typ 2mA @ 13.6V, (PT40/60 Typ 4mA @ 13.6V), (PT100/200 Typ 6mA @ 13.6V)
Transient voltage protection	Meets ISO7637-2 International standard for 24V vehicles
Electrostatic voltage protection	Meets ISO10605, >8kV contact, 15kV discharge
Operating temperature	-25°C to +60°C to meet this specification table
Storage temperature	-25°C to +100°C
Ingress protection	IP65
Casework	Silver anodised aluminium, glass filled polycarbonate
Connections	PT10/20 Insulated 6.3mm push-on flat blade connectors PT40/60 M6 ring tongues PT100/200 M10 ring tongues 6.3mm push-in flat blade connectors for earth, switch, override and alarm Programming lead with 2.8mm blade connector provided
Output indicator	Green LED for programming and output indication
Mounting method	PT10/20 tie wrap to wiring (supplied) PT40/60/100/200 3off half inch No8 pozi pan head screws (supplied)
Safe area protection: Over current	Limited by current sensing circuit
Over heat	Limited by temperature sensing circuit
Transients	Protected by filters and rugged component selection
Catastrophic protection	Set by external input fuse (set by application demands) and ground line fuse max 1A
Approvals	2014/30/EU The general EMC directive Regulation 10 The automotive directive 93/68/EEC The CE marking directive AES5
Designed to	EN50498, ISO 7637-2
Markings	CE and E (automotive) marked