
SUDARSHAN ELECTRONICS

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TECHNICAL SPECIFICATIONS & FEATURES OF A. C. POWER CONTROLLER :

FEATURES :

01. Insensitive to Input R–Y–B Phase Sequence.
02. Input Single Phasing Trip Protection.
03. Instantaneous Over Current Trip Protection.
04. Fault/Single Phase Trip/Over Current Trip LED Indications.
05. Trip Relay Potential–Free Contact available.
06. External Trip–Reset Facility.
07. External Interlock Facility.
08. Separate Bias Settings for Voltage and Current Input Signals.
09. Current Limit Facility.
10. Separate Voltage Stability and Current Stability Adjustments available.
11. Maximum Voltage Limit Facility available.
12. Can accept 0–10V DC or 4–20mA DC as the Input Signal.
13. Can take 10% Overload for 2 Hours.
14. Output Voltage linear to the Input Signal, except when working in Current Limit Mode.
15. Type of Control : Phase Angle Firing.
16. Conservatively designed Heat Sink with Heat Sink Over Temperature Protection for Force–Cooled Units.

SPECIFICATIONS :

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| 01. Voltage Rating | : 110V/230V/380V/415V/440V/460V/480V, 50Hz / 60Hz. |
| 02. Supply System | : 1 Phase, 2 Phase or 3 Phase. |
| 03. Current Rating | : From 15Amps upto 500Amps, Higher Ratings on request. |
| 04. Control Signal | : 4–20mA DC, 0–10V DC or through a 10k Potentiometer. |
| 05. Control Method | : P, PI, PD or PID. |

ENVIRONMENT :

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| 01. Operating Temperature | : 0 °C to +50 °C |
| 02. Storage Temperature | : –25 °C to +55 °C |
| 03. Shipping Temperature | : –25 °C to +70 °C |
| 04. Enclosure Rating | : IP 20, Panel Mounting. |
| 05. Humidity | : Max. 90% RH at 40 °C, Non Dripping. |
| 06. Altitude | : Upto 1000 metres above MSL. Above 1000 metres, derate by 1% per 10 metres. |