# AC Static Transfer Switch

## STS032DM
## Automatic AC Transfer Switch

The STS Series automatic AC transfer switch enables two AC input sources, such as DC-AC inverters or AC UPS Systems, to be operated in an N+1 redundant configuration for critical power applications. Alternatively this also offers a cost effective solution whereby two different AC input sources can operate in a master slave configuration, so if one power source fails the other is capable of taking over the power to the UPS.

### Features

- Dual AC Inputs, (isolated)
- Input V 190-260VAC 50/60Hz
- 32A output current
- LED status indicators
- Overload protection
- RS485 communication
- Dry contact alarm function



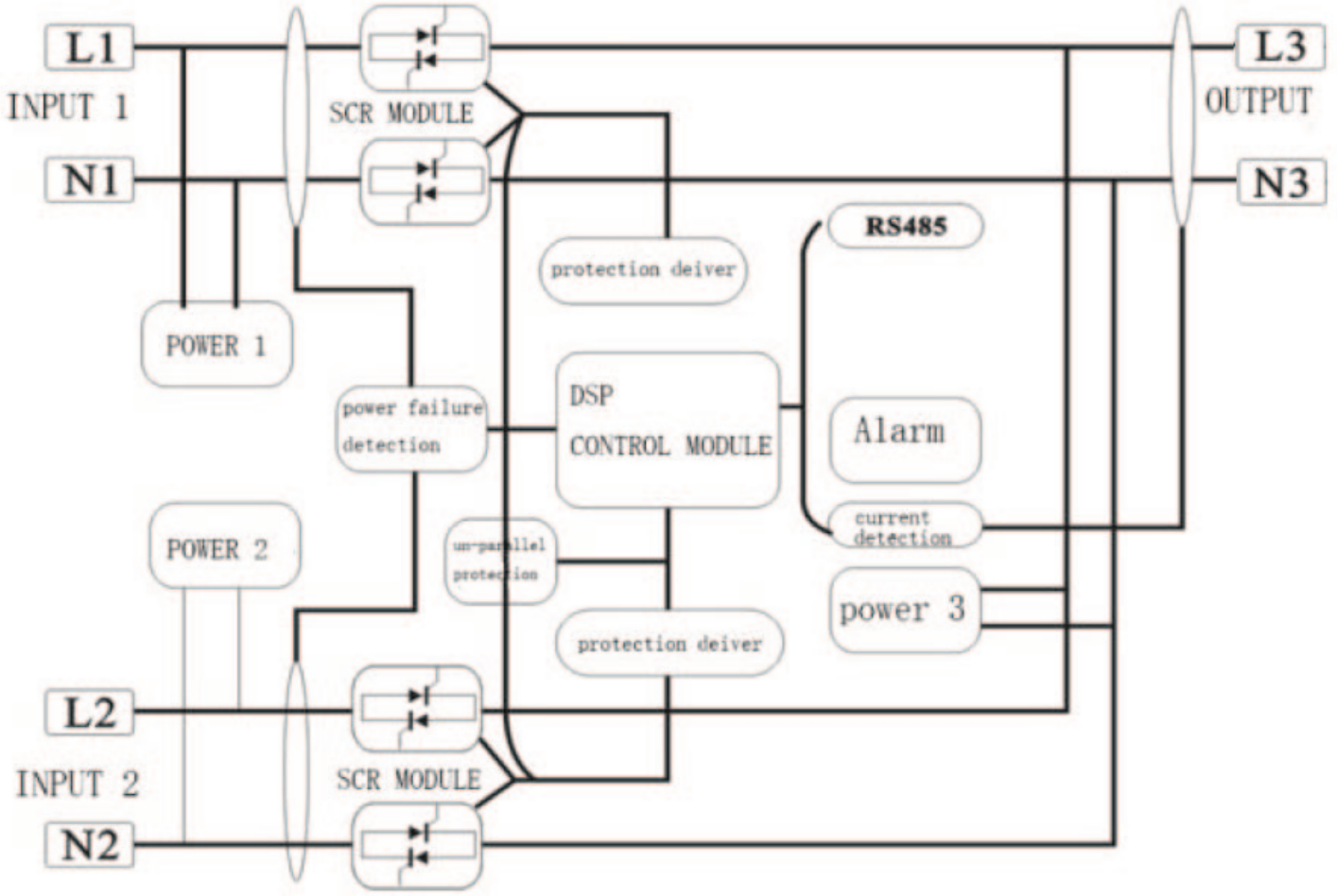

| Electrical Specification | |
|---|---|
| AC Switch over Time | ≤4m S |
| AC Voltage Range | 190-260VAC |
| Frequency | 45-65 Hz |
| Power Factor | 1 |
| Output Frequency | 45-65Hz depending on input |
| Auto Convert Threshold Voltage | ≤190Vac ± 5Vac or ≥260Vac ± 5Vac |
| Auto Convert Threshold Frequency | ≤45Hz ±0.2Hz or ≥65Hz ±0.2Hz |
| Over-limit protection shutdown threshold voltage | 160Vac or 265Vac, return ± 5V |
| Over-limit protection shutdown threshold frequency | 45Hz or 65Hz, with differential ± 0.2Hz |
| Overload Capacity | Load current is 110%, operating continuously<br>Load current is >110%, immediately shut-off; |
| Insulation Strength | 2kV AC 1 minute |
| Noise (1m) | ≤55dB |
| Operating Ambient Temperature | -25°C to +50°C |
| Storage Temperature | -40°C to +70°C |
| Relative Humidity | 0-90% non condensing |
| Communication Monitoring | RS484 and dry contacts |
| Protection | Input under voltage, overvoltage protection, Output overload protection, Over temperature protection, Short circuit protection |
| Weight & Dimensions | See drawing |

**This model ex-stock item, other versions available consult sales office for details**

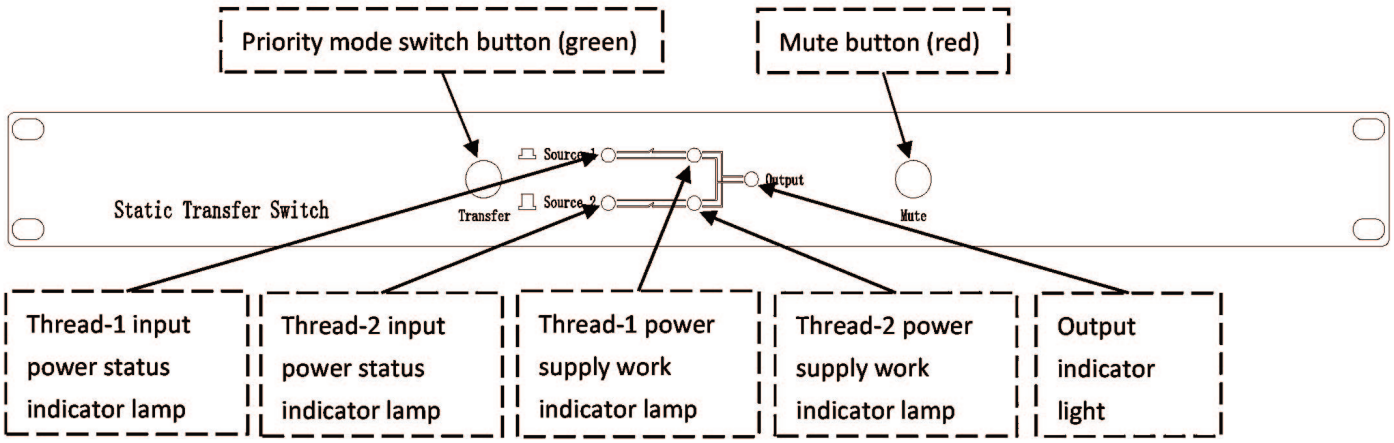
**Powersolve Electronics Ltd. 8A Arnhem Road, Newbury, RG14 5RU. England**
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## System block diagram



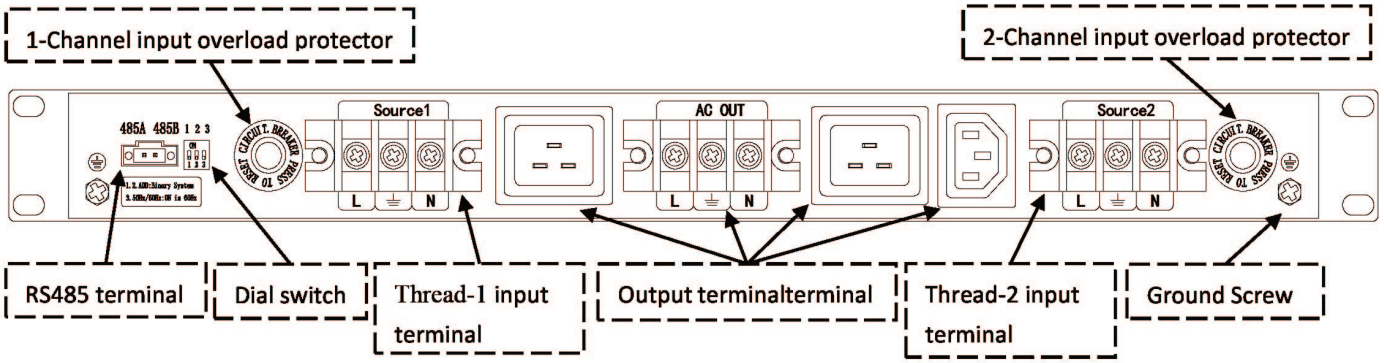

## Front Panel LED Indicator display



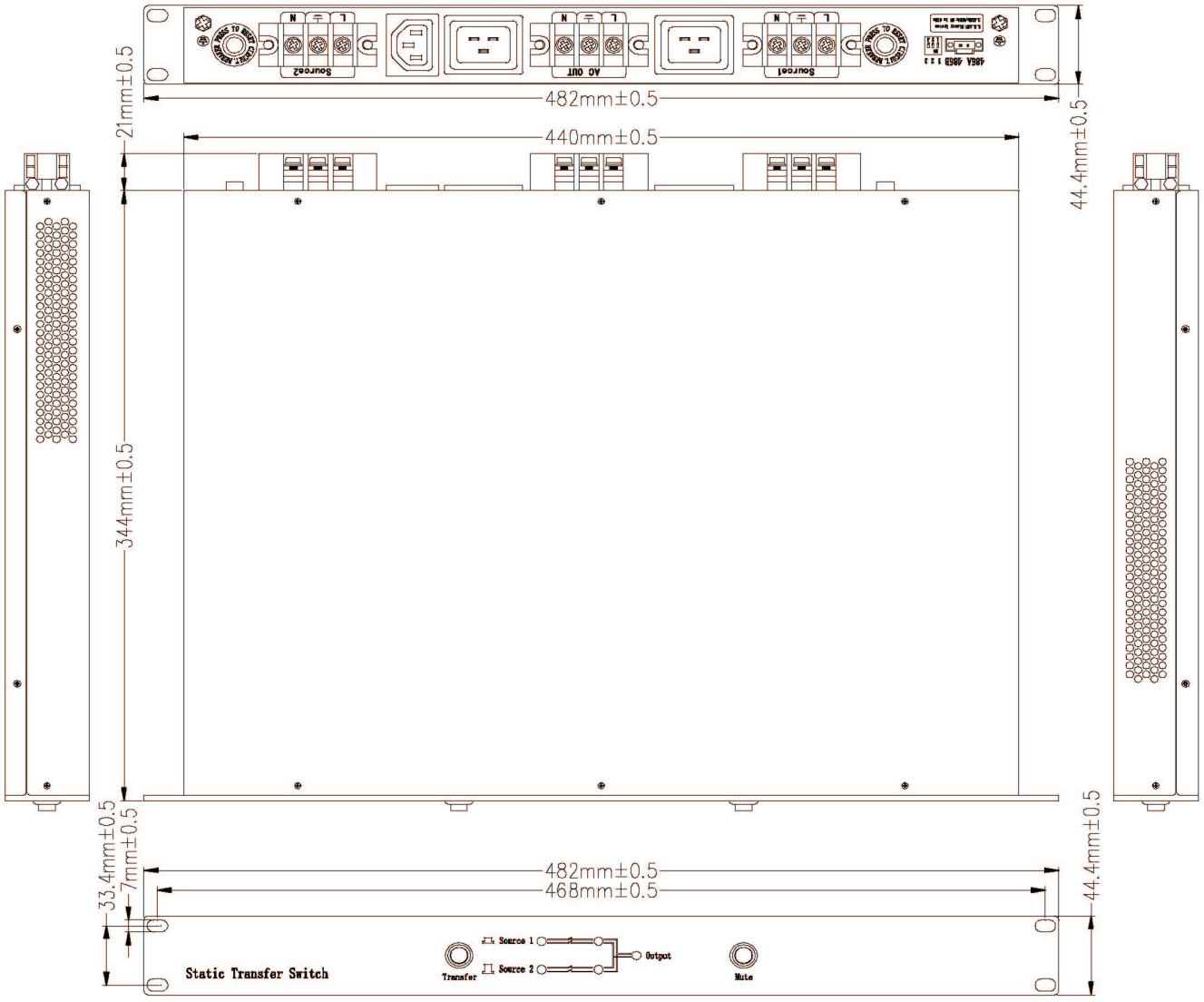

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# AC Static Transfer Switch

## Rear Panel connections




## Dimensions (mm)




## Weight: approx 8 Kg


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