E1545 15AMP VOLTAGE CONVERTER 24V – 16.5V

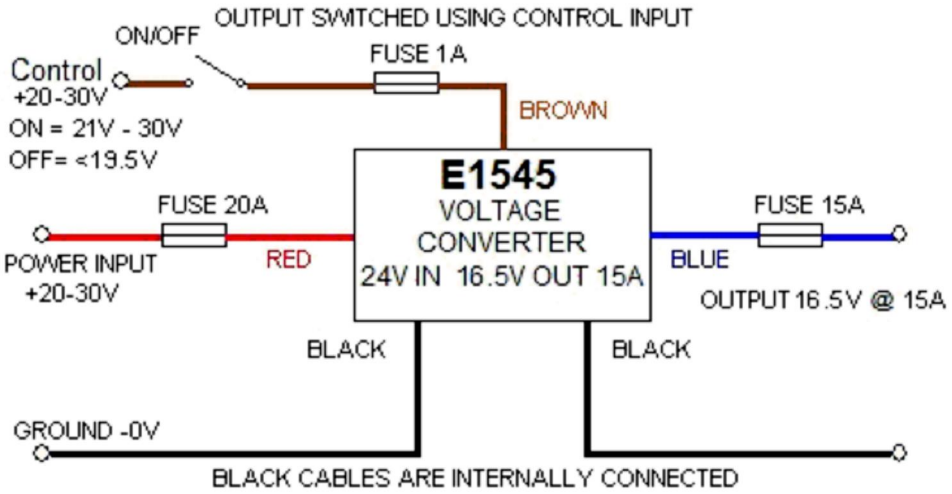
24V – 16.5V VOLTAGE CONVERTER 15AMP
HIGH SPECIFICATION
MANUFACTURED IN THE UK



- **PART NO: E1545**
- **TYPE: SWITCH MODE STEP DOWN VOLTAGE CONVERTER**
- **RATING: 15AMP**
- **PEAK OUTPUT CURRENT: > 18AMP (Vin = 24.3V)**
- **INPUT VOLTAGE: 20 – 30V DC**
- **OUTPUT VOLTAGE: 16.5V DC ± 0.25V**
- **CONTROL INPUT VOLTAGE (CVIN): CONVERTER ENABLED: > 21V DC**
  CONVERTER DISABLED: < 19.5V DC
- **CONTROL INPUT CURRENT: <4mA (V control = 30V)**
- **OVERLOAD PROTECTION: YES**
- **OUTPUT PROTECTED: YES**
- **POLARITY PROTECTED: EXTERNAL FUSES**
- **OPERATING TEMPERATURE: - 40 DEG.C TO + 70 DEG.C**
- **HIGH TEMP PROTECTED: YES**
- **SHORT CIRCUIT PROTECTION: YES**
- **OVER VOLTAGE PROTECTION: YES**
- **EFFICIENCY: > 90%**
- **LOAD REGULATION: <0.4V**
- **DIMENSIONS: 155mm X 70mm X 53mm**
- **FIXING CENTRES: 138mm X 40mm (4 HOLE FIXING)**
- **HOLE SIZE: 4.5mm**
- **WEIGHT: 447g**
- **CONSTRUCTION: ANODISED COOLING PROFILE**

MODELS ALSO AVAILABLE: 30AMP / / 45AMP / 60AMP

OEM AND TRADE ENQUIRIES WELCOME



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BEFORE INSTALLATION YOU NEED TO PURCHASE:

1 X 1A AUTOMOTIVE BLADE FUSE (COLOUR: BLACK)
1 X 15A AUTOMOTIVE BLADE FUSE (COLOUR: BLUE)
1 X 20A AUTOMOTIVE BLADE FUSE (COLOUR: YELLOW)
3 X INLINE FUSE HOLDER (TO TAKE BLADE FUSES)

INSTALLATION INSTRUCTIONS:

1. **CONNECT THE BLUE OUTPUT LEAD TO THE +VE CONNECTION ON YOUR 16.5V EQUIPMENT (FITTING 1 X INLINE FUSE HOLDER WITH 15A BLADE FUSE BETWEEN THE VOLTAGE CONVERTER AND THE 16.5V EQUIPMENT AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

2. **CONNECT ONE BLACK LEAD CONNECTION TO THE –VE CONNECTION OF THE 16.5V EQUIPMENT**

3. **CONNECT ONE BLACK LEAD CONNECTION TO GROUND, IE: THE VEHICLE CHASSIS OR TO THE –VE CONNECTION OF THE 24V SUPPLY / BATTERY**

4. **CONNECT THE RED INPUT LEAD CONNECTION TO YOUR 24V +VE SUPPLY / BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 40A BLADE FUSE BETWEEN THE VOLTAGE CONVERTER AND THE +VE CONNECTION OF YOUR 24V SUPPLY AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

5. **THE BROWN CONTROL LEAD CONNECTION GIVES YOU THE OPTION TO SWITCH THE VOLTAGE CONVERTER ON AND OFF USING A STANDARD LOW CURRENT SWITCH.**

6. **ALTERNATIVELY YOU CAN CONNECT THE BROWN CONTROL LEAD DIRECTLY TO THE POSITIVE INPUT, IE: THE +VE CONNECTION ON THE 24V BATTERY (FITTING 1 X INLINE FUSE HOLDER WITH 1A BLADE FUSE BETWEEN THE 24V BATTERY AND THE VOLTAGE CONVERTER AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT). THE BROWN CONTROL LEAD CONNECTION DETECTS THE VOLTAGE OF THE 24V BATTERY AND WHEN THE BATTERY VOLTAGE FALLS BELOW 19.5V IT WILL AUTOMATICALLY SWITCH THE VOLTAGE CONVERTER OFF UNTIL THE ALTERNATOR HAS REPLENISHED / TOPPED UP THE CRANKING / DONOR BATTERY, AT WHICH POINT THE VOLTAGE CONVERTER WILL BE AUTOMATICALLY SWITCHED BACK ON.**

IF IN DOUBT, PLEASE CONSULT AN AUTOMOTIVE ELECTRICIAN OR TELEPHONE US ON 01939 235073

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- **DC-DC Voltage Converters**
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- **Battery Status Indicators**
- **Voltage Sensitive Switches.**

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- **Temperature Probes**
- **Air Conditioning Fan Control Units**
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- **Light Control Units**
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