E1470-MOD1 15AMP VOLTAGE REGULATOR 13.5V >11.6V Turn On

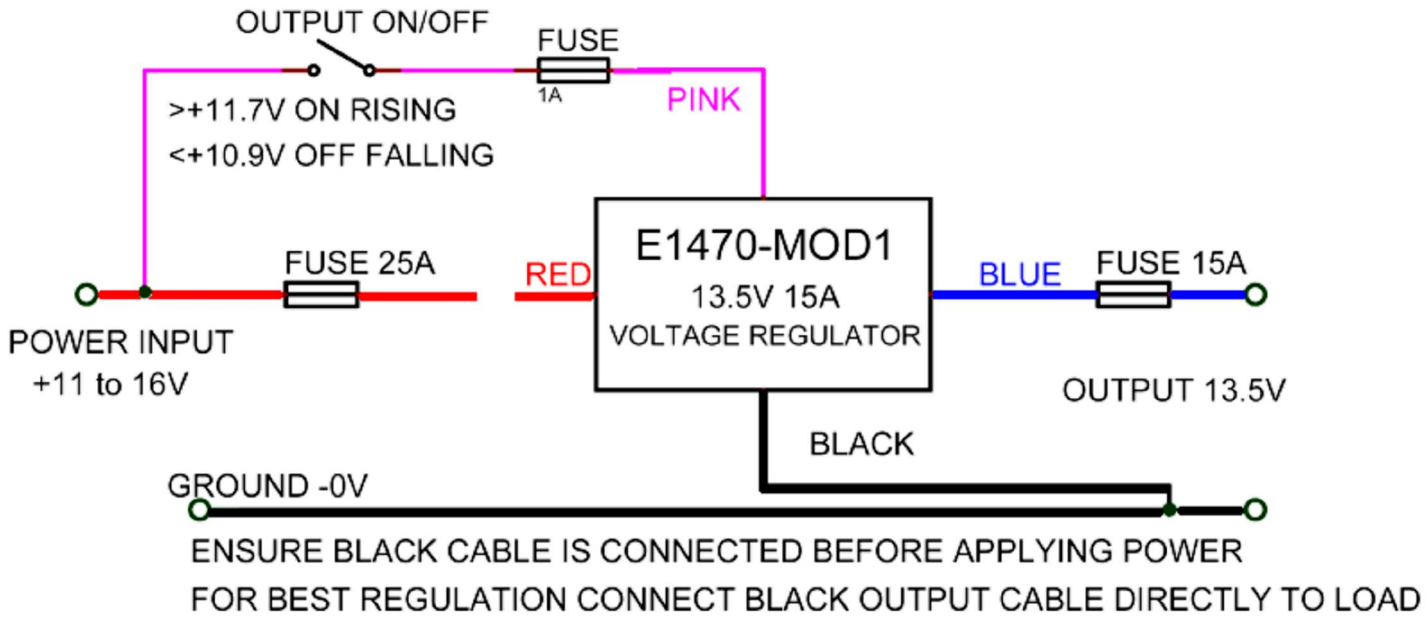
13.5V VOLTAGE REGULATOR 15AMP
HIGH SPECIFICATION
MANUFACTURED IN THE UK



- **PART NO: E1470-MOD1**
- **TYPE: SWITCH MODE VOLTAGE REGULATOR**
- **INPUT VOLTAGE: 11 – 16V DC**
- **OUTPUT VOLTAGE: 13.5V DC**
- **CONTROL INPUT VOLTAGE (CVIN): REGULATOR ENABLED: >11.6V DC / REGULATOR DISABLED: < 11V DC**
- **RATING: 15 AMP**
- **OVERLOAD PROTECTION: YES**
- **POLARITY PROTECTED: EXTERNAL FUSE**
- **HIGH TEMP PROTECTED: YES**
- **SHORT CIRCUIT PROTECTION: YES**
- **OPERATING TEMPERATURE: - 40 DEG.C TO + 70 DEG.C**
- **DIMENSIONS: 280mm X 70mm X 53mm**
- **FIXING CENTRES: 264mm X 40mm (4 HOLE FIXING)**
- **HOLE SIZE: 5.5mm**
- **WEIGHT: 780g**
- **CONSTRUCTION: ANODISED COOLING PROFILE**

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

OEM AND TRADE ENQUIRIES WELCOME

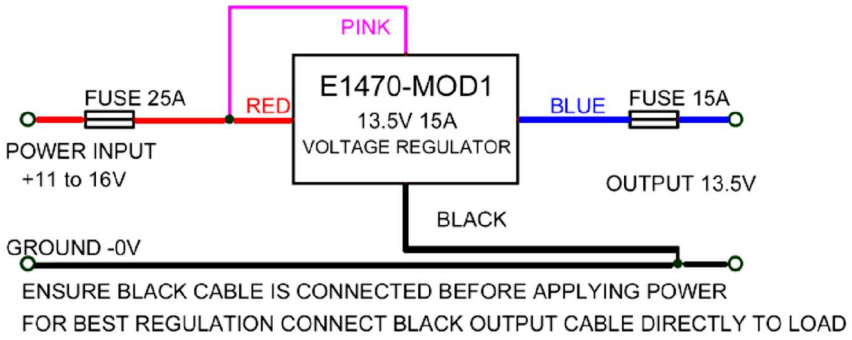


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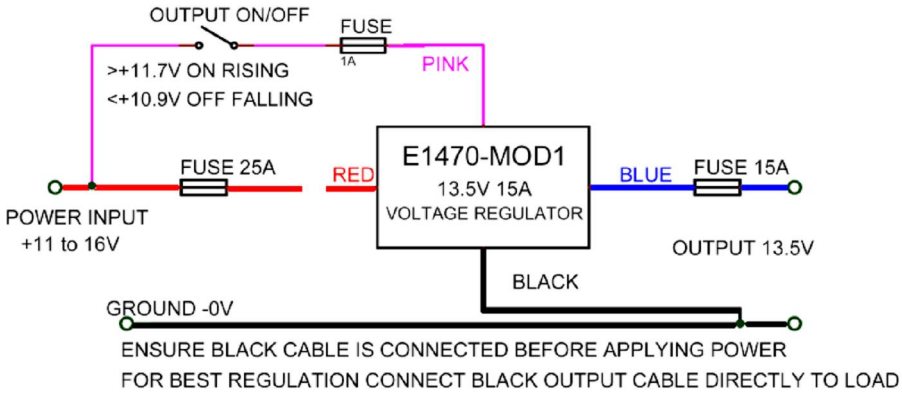
BEFORE INSTALLATION YOU NEED TO PURCHASE:
1 X 25A AUTOMOTIVE BLADE FUSE (COLOUR: WHITE)
1 X 15A AUTOMOTIVE BLADE FUSE (COLOUR: BLUE)
1 X 1A AUTOMOTIVE BLADE FUSE (COLOUR: BLACK)
3 X INLINE FUSE HOLDER (TO TAKE BLADE FUSES)

RECOMMENDED MINIMUM CABLES SIZES:
INPUT (RED): 3mm² CONDUCTOR CROSS SECTION (44/0.3mm)
OUTPUT (BLUE): 3mm² CONDUCTOR CROSS SECTION (44/0.3mm)
GROUND (BLACK): 3mm² CONDUCTOR CROSS SECTION (44/0.3mm)
CONTROL (PINK): 1.0mm² CONDUCTOR CROSS SECTION (32/0.2mm)

Wired as a basic Regulator
The Pink Wire is wired directly to the Input of the Regulator.
The Regulator Output is switched On as the Input voltage to the Regulator rises above 11.7V and remains On until the Input voltage to the Regulator falls below 10.9V



Wired using Control Wire to Switch the Regulator On or Off.
A Switch is used to switch the Regulator On and Off as required.
If the Switch is left Closed, then the Pink Control Wire will act as a Voltage Sensitive Switch. It will Switch the Regulator Output On as the Voltage on the Control Wire rises above 11.7V and it will remain On until the Voltage on the Control Wire falls below 10.9V
If the Switch is left Open (Off) there is a small amount of current drawn by the Regulator, up to 1.75mA



INSTALLATION INSTRUCTIONS:

1. **CONNECT THE BLUE OUTPUT LEAD TO THE +VE CONNECTION ON YOUR 13.5V EQUIPMENT (FITTING 1 X INLINE FUSE HOLDER WITH 15A BLADE FUSE BETWEEN THE VOLTAGE REGULATOR AND THE 13.5V EQUIPMENT AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

2. **CONNECT THE BLACK LEAD FROM THE REGULATOR TO THE -VE CONNECTION ON YOUR 13.5V EQUIPMENT**

3. **CONNECT A BLACK LEAD FROM THE –VE INPUT SUPPLY TO THE –VE CONNECTION ON YOUR 13.5V EQUIPMENT**

4. **CONNECT THE RED INPUT LEAD TO YOUR 12V UNREGULATED +VE SUPPLY (FITTING 1 X INLINE FUSE HOLDER WITH 25A BLADE FUSE BETWEEN THE VOLTAGE REGULATOR AND THE +VE CONNECTION OF YOUR 12V SUPPLY AS SHOWN ON WIRING DIAGRAM SUPPLIED WITH UNIT)**

5. **THE PINK CONTROL LEAD GIVES YOU THE OPTION TO SWITCH THE VOLTAGE REGULATOR ON AND OFF USING A STANDARD LOW CURRENT SWITCH. PLEASE REFER TO WIRING OPTIONS ABOVE**

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