



## BAT-LD-T-24-300

3.0M BATTERY EXTENSION LEAD WITH TEMPERATURE  
SENSOR FOR 24VDC STANDBY POWER SUPPLIES

### FEATURES

This lead may be used for the connection of remotely sited batteries to a standby power supply. It features a thermistor based temperature sensor integral to the positive battery lead thereby permitting measurement of the battery temperature during charging.

This 24v kit includes an additional link lead for connecting 2 x 12v VRLA batteries in series.

Heavy duty cable minimises volt loss during charging and heavy current load demands and a double sheathing design provides an additional level of mechanical protection against insulation damage.

An in-line fuse protects the cable should the end terminations be shorted or the insulation suffer severe damage.

Battery terminal adapters are provided to facilitate connection to spade or screw battery fittings.

### SPECIFICATION

Overall Length	3.0m
Temperature sensor	Thermistor type NTC
In-line fuse	F6.3A 20mm glass (standard fit)

### CONNECTIONS

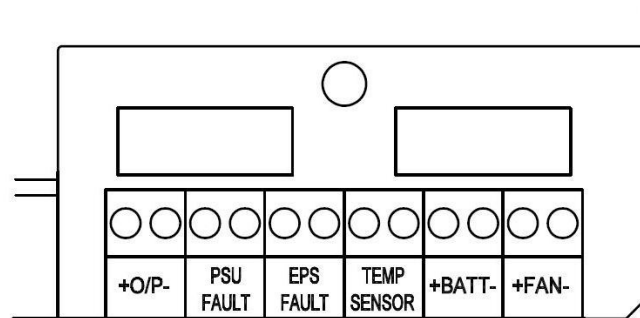
Red	Positive connection to battery
Black	Negative connection to battery
White	Temperature sensor connections (non-polarised)

### INSTALLATION

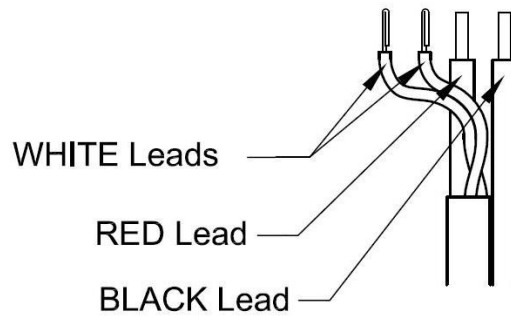
Where the battery extension lead is routed between enclosures, bushings should be used to protect cable sheaths from chafing at entry/exit of the enclosures. Bushings should be correctly sized (i.e. close fitting with respect to cable sizing) and meet a minimum flammability requirement of UL94 HB. Where the remote battery enclosure is not close coupled to the main power supply enclosure, conduit should be used between the two.

Note: if battery temperature sensing is not required, the white sensor leads should be sleeved and secured to prevent shorting to the power supply terminals using, for example, a cable tie.

- Disconnect mains input from power supply
- Remove any pre-installed battery lead
- Connect battery extension lead observing polarity where appropriate. Figure 1.0 shows a typical installation.
- Fasten battery extension lead in position using cable ties.
- Re-commission the power supply in accordance with its operating instructions



**Figure 1.0 – Connection of battery leads and temp sensor to terminal block.**



**Explanation of symbols: (Not all may apply)**



Fault Indication



Shock Risk - isolate before attempting access



Certification Level



Mains Present



Protective Earth



Do not dispose of in unsorted waste

Specifications subject to change without notice

The packaging supplied with this product may be recycled.  
Please dispose of packaging accordingly.