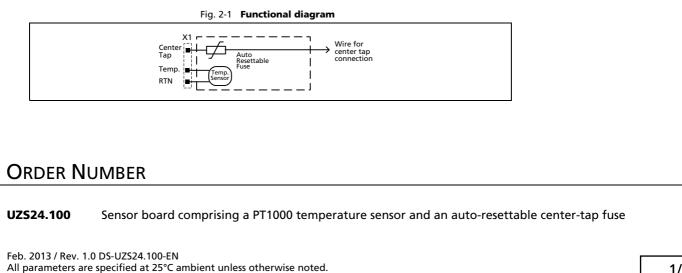


currents up to 3.5A. The fuse protects the center-tap wire between the battery module and the DC-UPS control unit. The UZS24.100 is compatible with most of the PULS DC-UPS control units and enables all the benefits of the PULS 1-Battery-Concept. This makes the use of matched replacement batteries unnecessary and allows a precise battery charging and testing which results in the longest possible battery life.

2. FUNCTIONAL DIAGRAM



Warm pulspower com Bhono 140 90 0779 0

3. INSTALLATION AND WIRING

The sensor board shall be installed close to the batteries in order for a precise temperature measurement of the batteries.

<u>A</u> Temperature Sensor

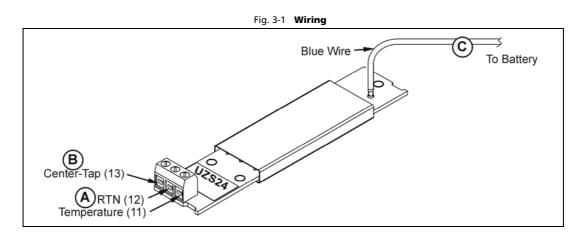
Connect pin 11 (Temp.) and pin 12 (RTN) to the corresponding pins on the DC-UPS control unit. The temperature sensor is a PT1000 sensor with SMD technology, which is placed close to the terminal block.

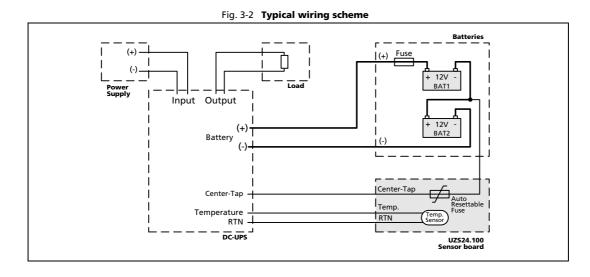
B Center-tap

Connect pin 13 (Center-Tap) to the corresponding pin on the DC-UPS control unit. Connecting the center-tap wire to the DC-UPS control unit enables all the benefits of the PULS 1-Battery-Concept. This makes the use of matched replacement batteries unnecessary and allows a precise battery charging and testing which results in the longest possible battery life. Using the center tap connection is optional. Without this connection, the DC-UPS will function like a traditional UPS system without the above mentioned benefits.

<u>C</u> Battery wire

Connect the blue wire (AWG18, length 0.5m) to the interconnection between the two batteries. Shorten the wire to the required length. Between pin 13 (center-tap) and this wire is an auto-resettable fuse included in order to protect the wire between the sensor board and the DC-UPS control unit. The maximal allowed charging current is 3.5A.





Feb. 2013 / Rev. 1.0 DS-UZS24.100-EN All parameters are specified at 25°C ambient unless otherwise noted.

4. TERMINALS

The screw terminals are IP20 Finger safe constructed and suitable for field and factory wiring.	
0.5-1.5mm ²	
0.5-1.5mm ²	
AWG 20-12	
1.5mm (including ferrules)	
6mm / 0.25inch	
3 x 0.5mm slotted	
0.5Nm / 4lb-in	

5. APPROVALS

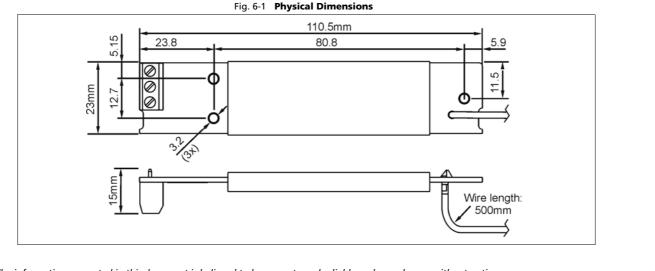
EC Declaration of Conformity

()

The CE mark indicates conformance with the - Low-voltage directive (LVD) 2006/95/EC and - RoHS directive 2011/65/EU.

6. PHYSICAL DIMENSIONS AND WEIGHT

Dimensions	110.5 x 23 x 15mm
Wire length	500mm
Weight	30g / 0.07lb



The information presented in this document is believed to be accurate and reliable and may change without notice. No part of this document may be reproduced or utilized in any form without permission in writing from the publisher.

Feb. 2013 / Rev. 1.0 DS-UZS24.100-EN All parameters are specified at 25°C ambient unless otherwise noted.