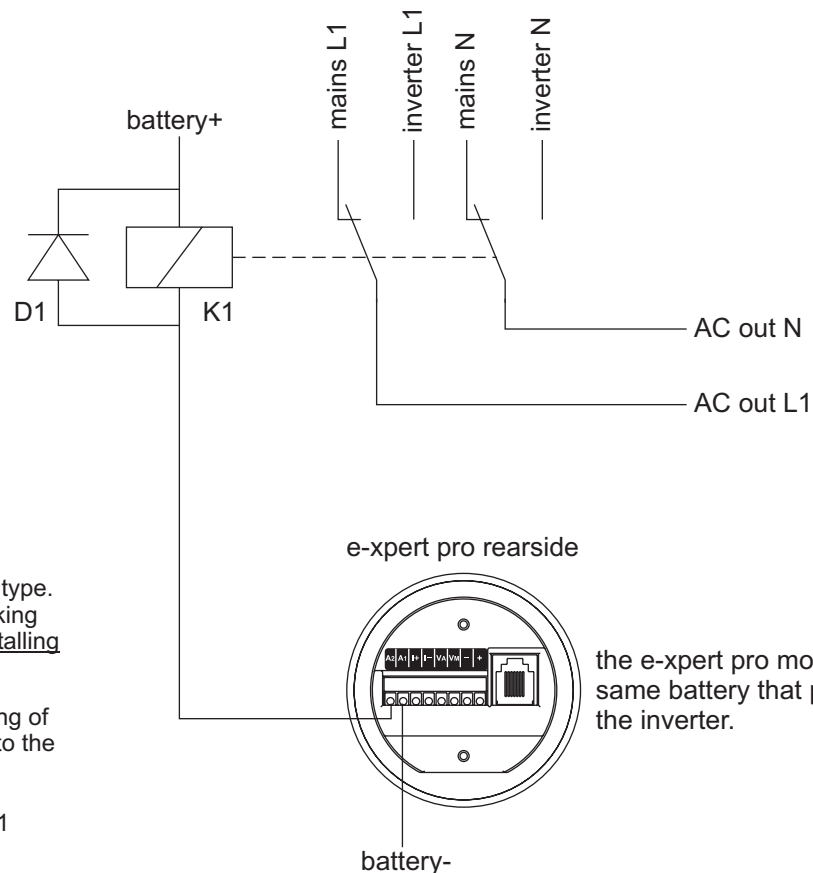


Application idea to interface AC transfer switch to e-xpert pro alarm relay. Inverter power will be supplied to AC load as long as battery state of charge is sufficient



Notes :

Relay K1 must be Schrack / Tyco Rm8, T92 or equivalent type. Important is sufficient relay contact distance to avoid sparking between L1 contacts or N contacts during switch over. Installing wrong type of relay can damage the inverter!

Antiparallel diode D1 must have a voltage and current rating of 200V/1A or higher. This diode prevents potential damage to the internal alarm relay of the e-xpert pro.

Optionally, a second relay can be placed in parallel with K1 to switch on an external battery charger.

E-xpert pro alarm relay must be setup to 'Normally Closed' state (Function F6.4). Use Function menu's F2 and/or F3 to setup the desired battery empty and battery full thresholds.

e-xpert pro rearside

the e-xpert pro monitors the same battery that powers the inverter.



Rev. : 1.0	Date : 18-10-2007	Drawn by : D. Schouten
Project : E-xpert Pro battery monitor		
Title : AC transfer switch controlled by battery state of charge		
Filename : E-pro AC transfer switch interface.cdr		
TBS Electronics BV De Factorij 46 1689 AL Zwaag The Netherlands		Notes :
Scale : 1:1	Format : A4	