

CYRIX Battery Separator X80/160/400

Features:

The CYRIX is a microprocessor controlled Battery Separator for use in systems with more than one battery. It safely charges the auxiliary battery and prevents starting problems.

- Waits until the battery connected to the active charging source reaches 13.2V (26.4V) before paralleling and charging the auxiliary batteries. The system disconnects at 12.8V (25.6V).
- The Microprocessor controls the switching times to prevent unauthorized on/off switching
- Protects your auxiliary battery against over voltage from the charging source (16V/32V)
- With use of an extra starting contact the batteries can be paralleled during starting when the battery voltage of the auxiliary battery is higher than the primary battery
- Is suitable for motor homes, boats and trucks and wherever an extra battery is needed

Installation:

The CYRIX is easy to install.

First disconnect the plus and minus of both batteries. The CYRIX has 2 brass bolts as connectors for the batteries.

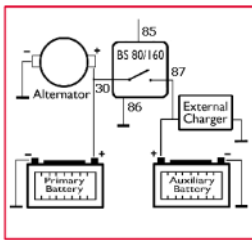
Connect the plus connection of the starter battery (primary) to connection 30 and the plus connection of the auxiliary battery to connection 87.

If you want to use the starting contact you can connect, via a fuse, a wire to connection 85 that becomes 12V (24V) as long as you activate the starter. This will connect both batteries together, if there is enough energy in the auxiliary

battery, to make starting easier.

Connect the minus to connection 86. If this is all secure you can connect the minus of both batteries again.

ATTENTION!! Short-circuit of the plus and minus of the battery can damage your system! So make sure the connection are secure!



Primary battery 12V (24V)	Auxiliary battery 12V (24V)
13.2V relay engages (26.4V)	13.2V relay engages (26.4V)
12.8V relay disengages (25.6V)	12.8V relay disengages (25.6V)

Between the on/off switching is a delay to prevent the relay from switching in a short dip or rise of the battery voltage. The relay switches off at an over voltage of 16V (32V) to prevent damage of the battery and equipment.