HPC1000D 1.0 FARAD CAPACITOR WITH DIGITAL VOLTAGE READOUT

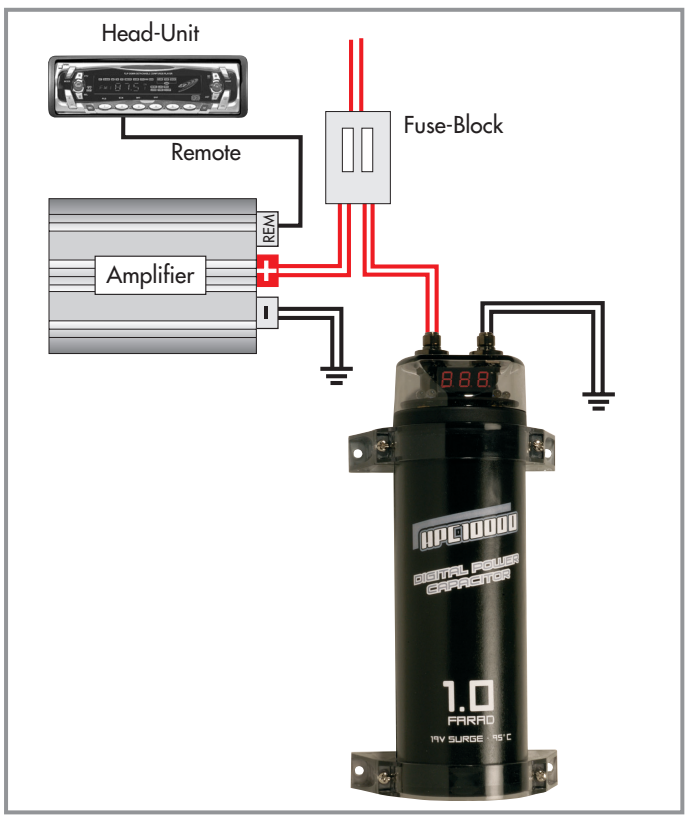
ACR HPC1000D INSTALLATION

Excellent stiffening action by lowest possible E.S.R. - foolproof handling and safe operation – provided by ACR's HPC1000D.

The electronic circuitry, i.e. the digital voltmeter display is controlled by an integrated voltage sensor circuitry. Therefore, unneccessary battery drain is avoided when the car-hifi system is not in use – as the voltage dsiplay is turned off automatically!

MAIN FEATURES:

- Power Capacitor with 1.0F storage capacity and low E.S.R.
- 4-digit red LED voltage display
- Operating/stiffening voltage of minimum 16V, surge voltage 19V
- E.S.R. < 0,002 ohms, operating temperature range -10° to +95°C



INSTALLATION & HINTS TO CHARGE YOUR CAPACITOR

- **Warning: Before you attempt to connect the terminal binding posts of your HPC1000D capacitor to the power supply of your car-hifi system, pay close attention to the polarity stated on the top of the cap!!**
- Remove the main fuse of your car stereo power supply. Mount your capacitor with the two supplied plastic brackets.
- Now connect the HPC1000D capacitor in parallel to the amplifier or distribution/fuse blocks. Maintain correct polarity!
- Take the small resistor or bulb supplied with the set contents and bridge the legs of the resistor over the poles of your main fuse. Do this for approx. 1 minute, at the end of the charging process the red voltage display of your capacitor will light up - and you can read the on-board voltage of your vehicle. Attention, the resistor or bulb can get hot during the charging process.
- **NOTE:** The power cable leads used to wire your HPC1000EL cap to the amplifier or distribution block, should not exceed a total length of 35 cm (≈14 inches). This will allow you to take full advantage of the low E.S.R. rating and give you best possible voltage stiffening performance.
- The HPC1000D cap is fully automatic and once installed, it will give you many years of reliable operation with no servicing required!

DISCHARGING THE CAP

If you whish to discharge your HPC1000D, remove the main fuse of your power cable and disconnect both positive and negative cables from your capacitor. Now bridge the resistor (22 ohm) or the bulb over the positive and negative terminal of the capacitor. Do this for two minutes, or until the bulb goes completely dim.

Exclusive Distributor for Europe & Asia: ACR, Brändli + Vögeli AG, Bohrturmweg 1, CH-5330 Zurzach, Switzerland, Phone: (+41) (0)56 / 269 64 64, Web: www.acr.ch