

# BRIDGE



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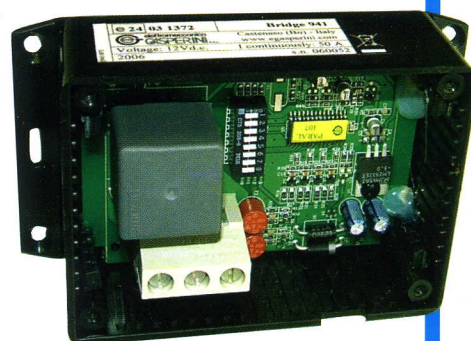
**BATTERY PARTNER**

[www.egasperini.com](http://www.egasperini.com)

**Optimises the use of all on-board batteries.**



2004/104/EEC TYPE APPROVAL  
(AUTOMOTIVE)



**Controls and monitors the parallel connection between the engine battery and the leisure battery/ies.**

- Effective when using a power-absorbing appliance.
- Useful when the engine battery is not fully performing.
- Constantly checks the voltage level of all batteries.
- The control board controls the manual/on/off modes.

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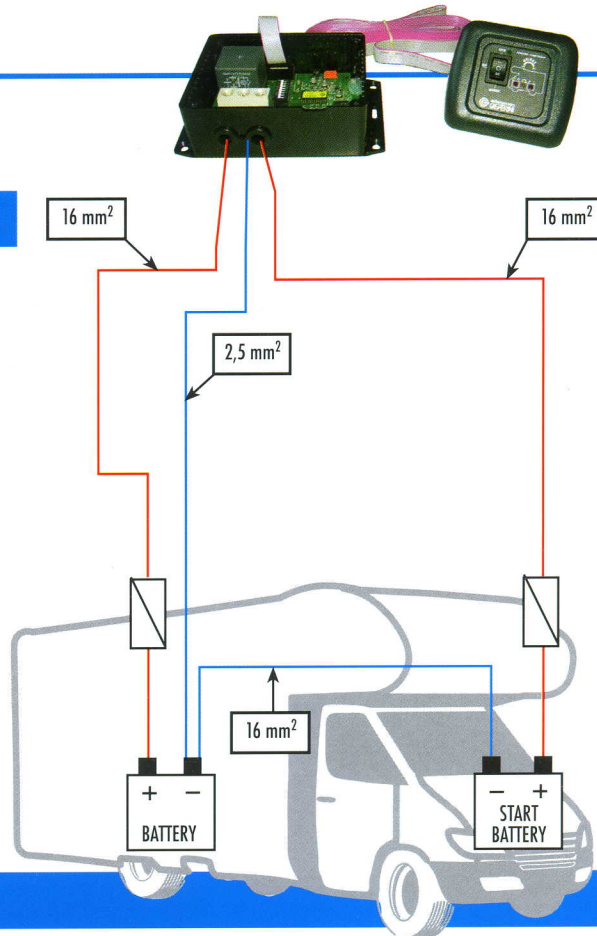
Azienda con  
Sistema Qualità certificato  
secondo la norma  
UNI EN ISO 9001:2000  
REG.233

SINCERT



Via Cà dell'Orbo, 28  
40055 Villanova di Castenaso (BO) ITALY  
Tel. ++39 051 780 256 - Fax. ++39 051 782 428  
email: [egasperini@egasperini.it](mailto:egasperini@egasperini.it) - [www.egasperini.com](http://www.egasperini.com)

### WIRING DIAGRAM



### TECHNICAL FEATURES

<b>Voltage</b>	12 V DC from the leisure battery only
<b>Working Voltage</b>	8÷18 Vcc (in the leisure battery)
<b>Working modalities</b>	OFF-mode + charge level monitoring AUTO-mode + charge level monitoring MAN-mode + charge level monitoring (see note 1)
<b>Maximum energy absorption in OFF-mode and without warnings</b>	6 mA
<b>Maximum energy absorption in AUTO-mode with deactivated connection in parallel and without warnings</b>	11 mA
<b>Maximum energy absorption in any mode for a voltage range between 10 and 15 V</b>	200 mA
<b>Maximum impulsive current allowed for commutation</b>	150A
<b>Maximum DC allowed</b>	50A
<b>Voltage drop to 50A</b>	<0,1 V
<b>Connection features</b>	Bi-directional
<b>Precision of event nominal thresholds</b>	< ±50 mV
<b>Planning of event thresholds</b>	Through dip-switch
<b>Working Temperature</b>	-20 +90°C
<b>Maximum moisture level allowed</b>	90% with no condensate
<b>Protection level (if installed with cable outlet towards the bottom)</b>	IP 44
<b>Installation connection</b>	Through terminal board

**Note 1:**

It is recommended to use the Bridge in "manual" mode in presence of the user.  
The Bridge enables absorption of high voltage from the engine battery only for a limited amount of time (from 5 to 30 minutes max.).

When the warning LED-light "engine battery not available" is switched on, it is necessary to charge the batteries (through the Self-Energy EG20 or other energy sources), before using the parallel manual switch again for some time.