

made in italy  
**GRUPPO ENERGiA CAPACITORS**



*New Design*

**HIGH PERFORMANCE SERIES  
AUTOMATIC POWER FACTOR CONTROLLER**

**ERGP8**



MADE IN ITALY



Automatic power factor controller **ERGP8** has been designed to get the best performance required by power factor correction applications. Built with special, extremely compact housing, the **ERGP8** matches the modern design of the front panel with easy installation and the possibility of expansion on the rear part, that takes place by inserting the **MERP** modules. Equipped with new systems and a new look, the LCD screen provides a clear and intuitive user interface. Available in one version (8 relays configuration, expandable up to 24 max) **ERGP8**.

**Reference standard IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3**

DESCRIPTION	EXPANDIBILITY
Automatic power factor controller with 8 built-in step relays for capacitor banks, expandable to a total of 24	Thanks to its expansion bus, the DCRG8 can be expanded with <b>MERP</b> series modules.
Flush-mount, standard 144x144mm housing	It is possible to connect a maximum of 4 <b>MERP</b> ... modules at the same time.
128x80 pixel, backlit LCD screen with 4 levels of grey	The supported <b>MERP</b> modules can be grouped in the following categories:
5 navigation keys for functions and settings	<ul style="list-style-type: none"> <li>• Additional steps</li> <li>• Communication modules</li> <li>• Digital I/O modules</li> <li>• Analog I/O modules.</li> </ul>
Red LED indication for alarm or abnormal status	To insert an expansion module:
10-language text for measurements, settings and messages	<ul style="list-style-type: none"> <li>• Remove the power supply to the <b>ERGP8</b>.</li> <li>• Remove the protection cover of one of the expansion slots.</li> <li>• Insert the upper hook of the module into the fixing slit on the upper end of the expansion slot.</li> <li>• Rotate the module downwards, inserting the connector on the bus.</li> <li>• Push until the bottom clip snaps in place.</li> </ul>
Expansion bus with 4 slots for <b>MERP</b> series expansion modules:	<b>WARNING</b>
<ul style="list-style-type: none"> <li>• RS232, RS485, USB, Ethernet, Profibus, GSM/GPRS communications interface</li> <li>• Additional digital I/O, static or relay outputs</li> <li>• Additional analog I/O for PT100 temperature, current, voltage</li> </ul>	
Capability to operate with several units interconnected in Master / Slave mode:	Carefully read the manual before the installation or use.
<ul style="list-style-type: none"> <li>• Maximum configuration: Master + 8 slaves</li> <li>• Maximum 32 steps in total</li> <li>• Maximum 18 steps per unit</li> <li>• Maximum 16 static outputs per unit</li> <li>• Maximum 24 mixed steps (relay + static)</li> <li>• Steps can be paralleled</li> </ul>	This equipment is to be installed by qualified personnel, complying to current standards, to avoid damages or safety hazards.
Advanced programmable I/O functions	Before any maintenance operation on the device, remove all the voltages from measuring and supply inputs and short-circuit the CT input terminals.
Fully user-definable alarms	The manufacturer cannot be held responsible for electrical safety in case of improper use of the equipment.
High accuracy TRMS measurement	Products illustrated herein are subject to alteration and changes without prior notice. Technical data and descriptions in the documentation are accurate, to the best of our knowledge, but no liabilities for errors, omissions or contingencies arising there from are accepted.
3-phase + neutral mains voltage measuring inputs	A circuit breaker must be included in the electrical installation of the building. It must be installed close by the equipment and within easy reach of the operator. It must be marked as the disconnecting device of the equipment IEC /EN 61010-1 § 6.11.2.
3-phase current measuring inputs	Clean the device with a soft dry cloth; do not use abrasives, liquid detergents or solvents
Front optical programming interface: galvanically isolated, high speed, IP65, USB and Wi-Fi compatible	
Calendar-clock (RTC) with backup reserve energy	
Storage of last 250 events.	



**MADE IN ITALY**



**WWW.GRUPPOENERGIA.IT**

### GRUPPO ENERGIA Srl

Via Cavezzo 36 - 25045 CASTEGNATO (BS) ITALY  
 Phone: + 39 030 320301 - Fax +39 030 2411006  
 Mobile: +39 348 0076538 - [www.gruppoenergia.it](http://www.gruppoenergia.it)  
[sales@gruppoenergia.it](mailto:sales@gruppoenergia.it) - [info@gruppoenergia.it](mailto:info@gruppoenergia.it)